

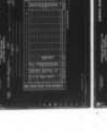
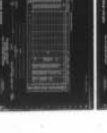
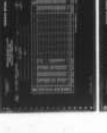
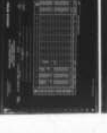
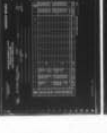
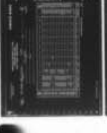
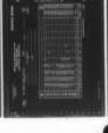
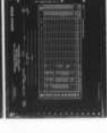
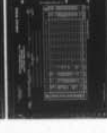
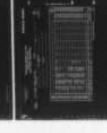
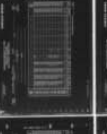
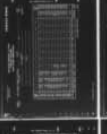
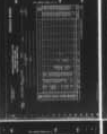
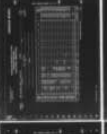
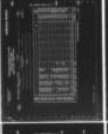
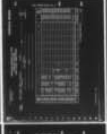
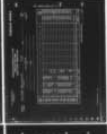
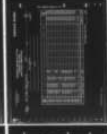
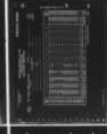
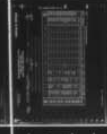
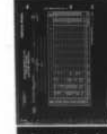
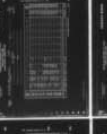
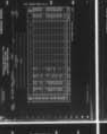
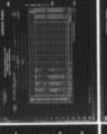
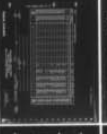
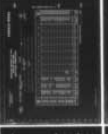
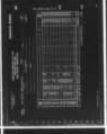
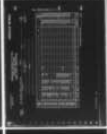
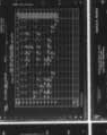
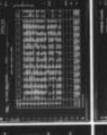
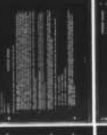
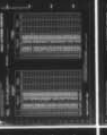
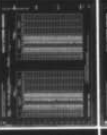
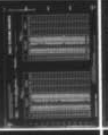
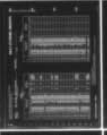
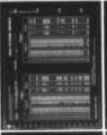
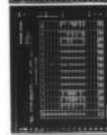
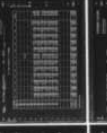
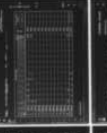
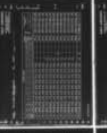
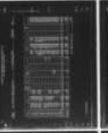
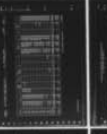
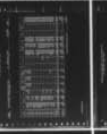
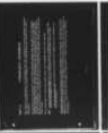
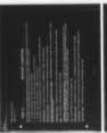
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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) NEW RIVE--ETC(U)
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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) New River, NC		5. TYPE OF REPORT & PERIOD COVERED Reference report 1945-1977
7. AUTHOR(s) N/A		6. PERFORMING ORG. REPORT NUMBER
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, Naval shore facility, coastal region, snow depth, cloud cover, New River, NC.		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure.		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO ON SUMMARY		STATION NAME		LONGITUDE		STATION ELEV. (FT.)		CALL SIGN		WMO NUMBER	
93727		New River, North Carolina		34°42'N		77°26'W		24		KNCA	

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARO LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Weather service office	MCAF	1953	1956	34°42'N	77°26'W	24	Mercurial	
2.	" "	"	1956	1969	"	"	27	"	24
3.	South wall of lab.	MCAS	1969	1970	"	"	18	"	24
4.	North wall of lab.	"	1970		"	"	18		24
1a.	Weather service office	MCAF	1954	1969	"	"	19	Aneroid	24
2a.	GMQ-14 console	MCAS	1969	1977	"	"	19	"	24
3a.	Weather service office	"	1977		"	"	19		

SURFACE WIND EQUIPMENT INFORMATION					REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
NUMBER OF LOCATION	DATE OF CHANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	1956	Installed roof of ops bldg	UMQ-5A	ID-300/A	Unk	1. Barograph (ML-3)
2.	Unk	Modified " " "	UMQ-5C	ID-300	45'	2. Cloud height set (AN/GMQ-13)
3.	1966	Post 2 feet E of ops bldg	AN/UMQ-5C	"	50'	3. Theodolite (ML-247)
4.	1967	15' mast 1600' WNW of ops bldg	"	"	39'	4. Transmissometer (AN/GMQ-10C)
5.	1967	" " "	"	RD-108B	39'	5. Auto met sta (GMQ-29A)
6.	1968	15' mast 1450' from bldg 848	"	RD-108B	39'	6. Radar recorder FAX (GMH-6(V))

78 17 06 187

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
 - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
 - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
 - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
 - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWS), Asheville, N. C. welcomes your comment and criticisms.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
 2. By month and annual, all hours and years combined, by wind direction.
 3. By month, all years combined, by standard 3-hour groups.
- Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

93727 STATION NAME NEW RIVER, NORTH CAROLINA 73-77 YEARS MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	01		11.0	.6	.6		12.3	27.7	7.1			34.8	155
	04		8.4	.6	.6		9.7	31.6	6.5			38.1	155
	07	.6	8.4	.6	.6		9.0	34.2	11.6			44.5	155
	10		5.8		1.3		7.1	18.1	21.3			39.4	155
	13	1.3	9.0		.6		9.7	11.0	16.1			27.1	155
	16		12.3		1.3		13.5	12.3	17.4			29.7	155
	19		9.0		1.9		11.0	15.5	15.5			31.0	155
	22		7.7	.6	.6		9.0	24.5	11.0			35.5	155
TOTALS		.2	9.0		.9		10.2	21.9	13.3			35.0	1240

WEATHER CONDITIONS

STATION 93727 NEW RIVER, NORTH CAROLINA 73-77 YEARS MONTH FEB

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	01	.7	4.3		.7		5.0	12.1	6.4	.7	.7	19.9	141
	04	.7	4.3				4.3	14.9	8.5	.7	1.4	25.5	141
	07		7.8		.7		8.5	22.7	12.1	.7	1.4	36.2	141
	10	.7	9.2	1.4	.7		10.6	12.1	23.4	1.4	1.4	37.6	141
	13		7.1		1.4		8.5	9.9	13.5	.7	1.4	25.5	141
	16	.7	7.8		2.1		9.2	7.1	16.3	.7	.7	24.8	141
	19	.7	6.4		1.4		7.8	9.2	12.8	.7	.7	23.4	141
	22		5.0		1.4		6.4	11.3	7.1	.7	.7	19.9	141
TOTALS		.4	6.5	.2	1.1		7.5	12.4	12.5	.8	1.1	26.6	1128

WEATHER CONDITIONS

93727 STATION NAME NEW RIVER, NORTH CAROLINA 73-77 YEARS MONTH MAR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	01		9.0				9.0	18.1	4.5		.6	22.6	155
	04		7.7				7.7	25.2	2.6			27.1	155
	07		7.7				7.7	31.0	9.0			39.4	155
	10		7.7		.6		8.4	14.2	20.0			34.2	155
	13	.6	9.7				9.7	6.5	14.8			21.3	155
	16		6.5	.6			7.1	5.8	13.5		.6	19.4	155
	19		9.0				9.0	10.3	12.9			23.2	155
	22		8.4				8.4	15.5	7.7			23.2	155
TOTALS		.1	8.2	.1	.1		8.4	15.8	10.6		.2	26.3	1240

WEATHER CONDITIONS

APR
MONTH73-77
YEARSNEW RIVER, NORTH CAROLINA
STATION NAME93727
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOK ² AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	01	2.0	5.3				5.3	16.0	10.0			25.3	150
	04	1.3	6.0				6.0	23.3	7.3			30.7	150
	07		4.7				4.7	28.0	18.7			44.0	150
	10		4.7				4.7	4.7	18.7			23.3	150
	13		2.7				2.7	2.7	12.7			15.3	150
	16	1.3	4.0				4.0	2.0	10.7		.7	13.3	150
	19	.7	3.3				3.3	4.0	13.3		.7	18.0	150
	22		3.3				3.3	8.7	10.7			18.7	150
TOTALS		.7	4.3				4.3	11.2	12.8		.2	23.6	1200

WEATHER CONDITIONS

93727

NEW RIVER, NORTH CAROLINA

73-77

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	01	.6	6.5				6.5	27.7	14.8		.6	41.3	155
	04	1.9	8.4				8.4	42.2	15.6			57.1	154
	07	.6	7.7				7.7	38.1	29.7			65.2	155
	10		2.6				2.6	3.9	38.1			41.3	155
	13	1.3	6.5				6.5	1.3	26.5			27.7	155
	16	2.6	7.7				7.7	1.9	21.9			23.9	155
	19	2.6	5.8				5.8	3.2	20.0			22.6	155
	22	1.9	7.1				7.1	12.3	18.1			29.7	155
TOTALS		1.4	6.5				6.5	16.3	23.1		.1	38.6	1234

WEATHER CONDITIONS

JUN
MONTH73-77
YEARSNEW RIVER, NORTH CAROLINA
STATION NAME93727
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	01	2.0	5.3				5.3	28.0	23.3			47.3	150
	04	1.3	4.7				4.7	44.0	22.7			62.0	150
	07	1.3	8.0				8.0	32.0	39.3			67.3	150
	10	2.7	7.3				7.3	8.7	38.7			46.7	150
	13	2.0	8.7				8.7	6.0	32.0			38.0	150
	16	7.3	6.7				6.7	5.3	28.0			33.3	150
	19	2.0	4.0				4.0	4.0	31.3			35.3	150
	22	1.3	3.3				3.3	9.3	28.0			36.0	150
TOTALS		2.5	6.0				6.0	17.2	30.4			45.7	1200

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1988

93727 STATION NAME NEW RIVER, NORTH CAROLINA 73-77 YEARS MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	01	1.9	3.9				3.9	27.1	31.0			56.1	155
	04	1.3	1.3				1.3	43.9	31.0			69.7	155
	07	.6	4.5				4.5	32.3	42.6			67.7	155
	10	1.3	5.6				5.6	3.2	52.3			54.8	155
	13	1.9	6.5				6.5	1.3	46.5			47.7	155
	16	9.0	6.5				6.5	1.9	40.0			41.9	155
	19	5.2	5.8				5.8	5.2	42.6			47.7	155
	22	1.9	4.5				4.5	12.9	39.4			51.6	155
TOTALS		2.9	4.9				4.9	16.0	40.7			54.7	1240

NAVWEASERVCOM

WEATHER CONDITIONS

AUG
MONTH73-77
YEARSNEW RIVER, NORTH CAROLINA
STATION NAME93727
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	01	1.3	4.5				4.5	37.4	19.4			51.0	155
	04	.6	3.2				3.2	53.5	16.8			62.6	155
	07	.6	6.5				6.5	54.2	26.5			71.6	155
	10	1.9	7.7				7.7	8.4	45.2			52.9	155
	13	7.1	14.2				14.2	3.2	41.3			44.5	155
	16	6.5	12.9				12.9	2.6	32.9			35.5	155
	19	3.2	5.2				5.2	6.5	29.0			35.5	155
	22	1.3	5.2				5.2	20.0	21.9			38.7	155
TOTALS		2.8	7.4				7.4	23.2	29.1			49.0	1240

WEATHER CONDITIONS

93727 STATION NAME NEW RIVER, NORTH CAROLINA 73-77 YEARS MONTH SEP

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	01	.7	2.7				2.7	40.7	15.3			54.0	150
	04	1.3	4.7				4.7	54.7	10.7			62.7	150
	07	1.3	5.3				5.3	56.7	28.7			78.7	150
	10	2.0	6.0				6.0	8.0	51.3			58.7	150
	13	1.3	5.3				5.3	2.0	37.3			39.3	150
	16	2.7	6.7				6.7	2.7	32.0			34.7	150
	19	1.3	6.7				6.7	6.0	30.7			36.7	150
	22	3.3	6.0				6.0	22.0	20.7			41.3	150
TOTALS		1.7	5.4				5.4	24.1	28.3			50.8	1200

WEATHER CONDITIONS

93727

NEW RIVER, NORTH CAROLINA

73-77

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	01	1.3	6.5				6.5	26.5	9.7			34.8	155
	04		4.5				4.5	38.7	10.3			47.7	155
	07		7.1				7.1	42.6	21.3			60.6	155
	10		5.8				5.8	9.0	35.5			43.9	155
	13		5.2				5.2	3.9	26.5			30.3	155
	16	.6	3.2				3.2	3.9	19.4			23.2	155
	19		3.9				3.9	3.9	18.1			21.9	155
	22		4.5				4.5	12.3	15.5			27.7	155
TOTALS		.2	5.1				5.1	17.6	19.5			36.3	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1978

NOV
MONTH

73-77
YEARS

NEW RIVER, NORTH CAROLINA
STATION NAME

93727
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	01		2.7				2.7	21.3	5.3			26.7	150
	04	1.3	8.7				8.7	35.3	4.7			40.0	150
	07		6.7				6.7	38.7	12.0			48.7	150
	10		5.3				5.3	12.0	28.0			40.0	150
	13		6.7		.7		7.3	5.3	11.3			16.7	150
	16		4.0				4.0	5.3	10.0			15.3	150
	19		6.0				6.0	6.7	8.0			14.0	150
	22		5.3				5.3	12.0	2.7			14.0	150
TOTALS		.2	5.7		.1		5.8	17.1	10.3			26.9	1200

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WEATHER CONDITIONS

DEC
MONTH73-77
YEARSNEW RIVER, NORTH CAROLINA
STATION NAME93727
STATIONPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
DEC	01	.6	11.6				11.6	24.5	4.5			29.0	155
	04		12.3				12.3	29.0	4.5			33.5	155
	07		11.6		.6		12.3	27.1	5.8			32.9	155
	10		9.7		.6		10.3	15.5	16.8			32.3	155
	13		9.0		.6		9.7	11.0	10.3			20.6	155
	16		9.0		.6		9.7	9.7	9.7			19.4	155
	19		12.3				12.3	14.2	7.1			21.3	155
	22	.6	14.8				14.8	18.7	3.9			22.6	155
TOTALS		.2	11.3		.3		11.6	18.7	7.8			26.5	1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 198

ALL MONTH

73-77

NEW RIVER, NORTH CAROLINA

93727 STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBS TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.2	9.0	.3	.9		10.2	21.9	13.3			35.0	1240
FEB		.4	6.5	.2	1.1		7.5	12.4	12.5	.8	1.1	26.6	1128
MAR		.1	8.2	.1	.1		6.4	15.8	10.6		.2	26.3	1240
APR		.7	4.3				4.3	11.2	12.8		.2	23.6	1200
MAY		1.4	6.5				6.5	16.3	23.1		.1	38.6	1239
JUN		2.5	6.0				6.0	17.2	30.4			45.7	1200
JUL		2.9	4.9				4.9	16.0	40.7			54.7	1240
AUG		2.8	7.4				7.4	23.2	29.1			49.0	1240
SEP		1.7	5.4				5.4	24.1	28.3			50.8	1200
OCT		.2	5.1				5.1	17.6	19.5			36.3	1240
NOV		.2	5.7		.1		5.8	17.1	10.3			26.9	1200
DEC		.2	11.3		.3		11.6	18.7	7.8			26.5	1240
TOTALS		1.1	6.7	.0	.2		6.9	17.6	19.9	.1	.1	36.7	14607

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WEATHER CONDITIONS ATMOSPHERIC PHENOMENA

 93727 STATION
 NEW RIVER, NORTH CAROLINA
 59, 63-77 YEARS
 ALL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	2.5	42.4	2.5	5.5		44.5	57.8	52.1	.5		71.2	434
FEB		4.5	40.2	.8	3.5		40.7	47.2	46.5	.8		64.4	396
MAR		5.3	42.4	.2	2.8	.2	42.6	50.7	54.6			68.7	434
APR		13.6	37.6			.2	37.6	52.6	61.0			74.5	420
MAY		18.2	46.1			.5	46.1	68.9	67.7			84.8	434
JUN		24.8	45.2				45.2	77.6	75.0			90.2	420
JUL		39.9	56.9				56.9	67.5	76.3			86.4	464
AUG		31.3	54.1				54.1	73.8	79.5			90.1	434
SEP		14.5	40.7			.2	40.7	76.4	81.0			91.4	420
OCT		3.9	34.1			.2	34.1	66.6	73.5			83.9	434
NOV		2.9	30.9		.9		31.1	55.4	56.1			71.6	444
DEC		1.9	39.8		2.2	.2	40.2	54.6	47.5			66.2	465
TOTALS		13.6	42.5	.3	1.2	.1	42.8	62.6	64.2	.1		78.6	5199

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

93727

NEW RIVER, NORTH CAROLINA

JAN 1973-DEC 1977

JANUARY

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	10.7	.7	.7	1.4	1.4	.7			12.1	7.9	13.6			65.0
NNE	3.1	3.1	6.3	1.4	1.4	3.1			15.6	7.8	13.6			57.8
NE	5.4			2.7	3.4	8.1			21.6	8.1	13.3			56.8
ENE	3.1	3.1							3.1	9.4	18.8			65.6
E	11.4								17.1	8.6	20.0			54.3
ESE	4.8	4.8							10.3	9.3				85.7
SE	10.3	5.3							17.6	17.6	11.8			57.9
SSE	29.4								7.7	13.4	20.3			41.2
S	9.0	12.8						3.4	5.2	10.3	20.7			48.7
SSW	5.2	1.7	1.7						9.1	10.2	18.2			62.1
SW	3.4	2.3							7.4	7.4	9.3			60.2
WSW	1.1	1.1	1.1					.9	6.3	13.8	10.1			73.7
W	.9	3.7							12.3	4.1	12.3			67.0
WNW	4.1	2.7	1.4			1.4			10.6	1.3	7.6			68.3
NW	3.0	1.3							7.8	6.5	11.7			78.8
NNW	6.3													72.7
VARIABLE									16.2	19.9	10.4			52.7
CALM														
TOTAL	68	31	13			7		3	137	134	165			777
% TOTAL	5.5	2.5	1.0	.3	.4	.6		.2	11.0	10.8	13.3			62.7

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

93727

NEW RIVER, NORTH CAROLINA

JAN 1973-DEC 1977

FEBRUARY

ALL

HOURS (L.S.T.)

STATION NAME

YEARS

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.2	1.0	3.1	1.0	2.1	2.1			1.0	10.3	16.5	4.1		61.9
NNE	2.0	2.0	2.0	2.0	6.1	10.2			4.1	12.2	6.1	8.2		61.2
NE	13.5	5.4				2.7			2.7	16.2	18.9			54.1
ENE	5.6								11.1	5.6	11.1			72.2
E	3.0	3.0	3.0						6.1	3.0	18.2	3.0		66.7
ESE	6.7									6.7	20.0			73.3
SE	4.5	4.5								4.5	18.2			77.3
SSE		2.7				2.7					13.5			81.1
S	.9	8.6							7.8	4.3	17.2			69.0
SSW		11.0						3.3	2.2	4.4	18.7			64.8
SW		8.8							1.3	10.0	13.8			67.5
WSW	1.1	4.4						1.1	3.3	11.1	11.1			68.9
W		3.3							9.9	3.3	9.9			74.7
WNW	1.9								1.9	7.7	11.5			78.8
NW	1.6								1.6	8.2	6.6			83.6
NNW	1.5	1.5	3.0					1.5	1.5	10.4	13.4			73.1
VARIABLE														
CALM	1.7								5.3	14.3	4.7			77.3
TOTAL	24	42	7	2	5	9		5	41	99	140	9		800
% TOTAL	2.1	3.7	.6	.2	.4	.8		.4	3.6	8.8	12.4	.8		70.9

TOTAL NUMBER OF OBSERVATIONS 1,128

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5708 % FREQ. WIND DIR. VS WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 93727 NEW RIVER, NORTH CAROLINA JAN 1973-DEC 1977 MONTH MARCH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.3	3.2	3.2						15.7	15.8	8.4			61.1
NNE	7.1	3.7	4.3	1.4					21.4	17.1	13.7			42.9
NE	2.2	4.4	4.4						8.9	11.1	13.6			64.4
ENE	8.3	8.3	4.2						27.1	12.5	10.4			43.8
E	6.9	6.9	1.7						10.3	8.6	3.4			67.2
ESE	8.7	4.3							4.3	6.3	10.9			73.9
SE	6.8	4.5							2.3		13.6			77.3
SSE	8.5	2.1							6.4	2.1	12.8			74.5
S	11.1	3.7							5.6	8.3	20.4		.9	62.0
SSW	4.7	1.9							4.7	9.4	13.2		1.1	74.5
SW	1.1	2.1							1.1	9.6	12.8			86.7
WSW		2.7								2.7	8.0			84.9
W									2.3	3.4	9.2			87.2
WNW		6.4							2.1		6.4			76.7
NW	7.0							2.3	4.7	2.3	9.3			82.0
NNW	2.0					2.0			6.0	2.0	10.0			
VARIABLE														
CALM	2.1	1.4							8.0	18.2	2.8			41.0
TOTAL	55	37	11	1	1	1		1	91	105	131		2	873
% TOTAL	4.4	3.0	.9	.1	.1	.1		.1	7.3	8.3	10.6		.2	70.4

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93727 STATION NEW RIVER, NORTH CAROLINA JAN 1973-DEC 1977 YEARS MONTH APRIL ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.1								11.0	2.7	11.0			75.3
NNE	2.3	6.8							6.8	13.6	6.8			70.5
NE		3.6							3.6	7.1	17.9			67.9
ENE	4.2	8.3								25.0	20.8			58.3
E	4.3	2.2							2.2	6.5	13.0			78.3
ESE	5.1	2.6							2.6	10.3	15.4			71.8
SE			2.5						2.5	7.5	12.5			77.5
SSE	1.7							1.7	3.4		13.6			83.1
S	3.1	2.4						2.4	2.4	.8	18.1			76.4
SSW	1.5	4.5						1.5	1.5	10.5	14.3			71.4
SW		1.1							1.1	4.3	12.9			80.6
WSW		2.0						1.0		11.9	12.9			73.3
W	.7	2.8	.7						3.5	6.3	11.2			78.3
WNW		2.1							2.1	8.3	4.2		2.1	83.3
NW		2.0						2.0	2.0	2.0	8.2		2.0	83.7
NNW		4.7							7.0	4.7	7.0			79.1
VARIABLE														
CALM	2.7	.9							4.5	20.9	13.6			42.7
TOTAL	20	29	2					8	38	96	153		2	900
% TOTAL	1.7	2.4	.2					.7	3.2	8.0	12.8		.2	75.0

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 93727 NEW RIVER, NORTH CAROLINA JAN 1973-DEC 1977 MONTH MAY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.5	2.5						2.5	8.6	12.3	30.9			45.7
NNE	4.3	10.0	1.4						4.3	15.7	24.3			52.9
NE	7.1	2.4	4.8						7.1	9.5	28.6			47.6
ENE	7.3	9.8						2.4	4.9	9.8	34.1			48.8
E	4.9	9.8						1.6	3.3	8.2	23.0			59.0
ESE	2.0	5.9						2.0		3.9	33.3			58.8
SE		8.0							3.2	6.0	30.0			58.0
SSE	1.6							2.7		9.5	28.6			60.3
S	.9	6.3	.9					1.7	.9	11.2	8.6			63.4
SSW	2.6	2.6						.9	.9	10.3	23.1			75.9
SW	1.7	1.7						1.0	2.2	14.1	23.2			64.1
WSW	1.0	2.0						2.2	2.2	14.1	23.9			61.6
W	1.1	4.3						4.9	9.8	7.3	29.3			59.8
WNW		7.3						2.6	10.3	5.1	17.9		2.6	51.2
NW	2.6	2.6						2.4	14.3	9.5	23.8			66.7
NNW		2.4	2.4											47.6
VARIABLE														
CALM														
TOTAL	26	50	5					18	47	155	285		1	721
% TOTAL	2.1	4.0	.4					1.5	3.8	12.5	23.0		.1	58.2

TOTAL NUMBER OF OBSERVATIONS 1,239

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93727

STATION

NEW RIVER, NORTH CAROLINA

STATION NAME

JAN 1973-DEC 1977

YEARS

JUNE

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N									5.4	12.5	28.6			53.6
NNE	1.7	5.1	1.7					1.7	5.1	18.6	25.4			47.5
NE		8.3							18.8	14.6	31.3			33.3
ENE	3.3	6.7							8.3	6.7	20.0			61.7
E	2.9	2.9						1.5	10.3	5.9	41.2			44.1
ESE		4.3						2.2	2.2	2.2	47.8			45.7
SE		5.4						2.7	2.7	5.4	43.2			51.4
SSE		6.3						2.1	4.2	4.2	39.6			47.9
S	.9	5.2	.9					2.6	1.7	1.7	27.8			66.1
SSW		5.3	.8					3.1	1.5	13.0	22.1			62.6
SW		1.8						2.6	2.6	17.5	36.0			50.9
WSW		6.4						2.6	3.8	17.9	43.6			37.2
W	1.0	9.8						5.9	6.9	16.6	28.4			49.0
WNW		6.3						3.1	3.1	18.8	28.1			46.9
NW		7.7						7.7		11.3	30.8			61.5
NNW		6.3						6.3		18.8	21.9			56.3
VARIABLE														
CALM									18.1	14.9	33.3			31.6
TOTAL	8	61	3					30	64	142	365			624
% TOTAL	.7	5.1	.3					2.5	5.3	11.8	30.4			52.0

TOTAL NUMBER OF OBSERVATIONS

1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 93727 NEW RIVER, NORTH CAROLINA STATION NAME JAN 1973-DEC 1977 YEARS MONTH JULY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		5.7						1.9	5.7	7.5	56.6			35.8
NNE									3.0	18.2	33.3			48.5
NE	5.7							2.9	14.3	8.6	40.0			40.0
ENE	3.1	3.1							6.3	3.1	46.9			43.8
E	1.9	3.7						1.9	5.6	9.3	31.3			53.7
ESE										2.9	42.9			54.3
SE	3.0								3.0	3.0	69.7			27.3
SSE		4.6								3.1	43.1			50.8
S	1.3	7.3						5.3	3.3	2.6	33.1			56.3
SSW	.9	3.5						7.0	.9	9.6	43.5			44.3
SW		4.1						4.1	2.0	14.3	48.0			35.7
WSW	.8	5.3						3.1	3.9	10.8	43.0			41.4
W		2.9						3.9	7.8	10.8	51.0			27.5
WNW		3.3							3.3	13.3	50.0			40.0
NW		7.1						7.1	14.3	7.1	28.6			50.0
NNW		4.5						4.5	18.2	13.6	27.3			36.4
VARIABLE														
CALM								1.3	6.3	22.9	28.6			42.5
TOTAL	10	49	1					36	58	140	503			534
% TOTAL	.8	4.0	.1					2.9	4.7	11.3	40.6			43.1

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

93727

NEW RIVER, NORTH CAROLINA

JAN 1973-DEC 1977

AUGUST

ALL

HOURS (L.S.T.)

STATION NAME

YEARS

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		4.1						1.4	12.3	15.1	34.2			38.4
NNE	6.5	1.6							12.9	9.7	32.3			43.3
NE	7.0	3.5							15.8	15.6	21.1			47.4
ENE	3.4	6.9	1.8					1.7		19.0	29.3			53.4
E	3.5	7.0						1.8		8.8	47.4			38.6
ESE	5.7	5.7						2.9	2.9	8.6	40.0			48.6
SE		7.3						5.0		5.0	35.0			52.3
SSE	2.6	7.9						5.3	2.6	2.6	39.5			50.0
S	.8	7.0						5.5		4.7	27.3			62.3
SSW		9.2						4.6		2.2	21.8			69.0
SW		2.8							.9	19.8	21.7			59.4
WSW		8.8						3.3	2.2	24.2	27.5			46.2
W		5.9						5.0	7.9	23.8	31.7			39.6
WNW		13.3							6.7	20.0	33.3			40.0
NW								6.3	12.3	37.5	25.0			18.8
NNW		9.1						4.5	18.2	22.7	45.5			22.7
VARIABLE														
CALM	4.4	8.5						2.4	8.3	33.1	28.2			38.2
TOTAL	17	74	1					35	67	221	361			588
% TOTAL	1.4	6.0	.1					2.8	5.4	17.8	29.1			47.4

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 93727 NEW RIVER, NORTH CAROLINA JAN 1973-DEC 1977 MONTH SEPTEMBER ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.3	1.5	.8					.8	13.5	12.8	30.1			46.6
NNE	1.5	6.0	1.5					4.5	13.4	13.4	28.4			43.3
NE		3.1							7.8	18.8	34.4			42.2
ENE		13.8						3.4	5.2	10.3	37.9			41.4
E		7.1							1.2	9.5	41.7			46.4
ESE		3.0								6.1	42.4			51.5
SE		7.7						2.6		7.7	25.6			66.7
SSE	1.6	9.7						4.8	3.2	9.7	24.2			56.5
S		5.8						2.9		5.8	24.6			63.8
SSW		3.4						5.1	3.4	13.6	35.6			44.1
SW	1.6	4.7							9.4	23.4	20.3			43.8
WSW		5.8							7.7	21.2	40.4			34.6
W		5.3						7.3	9.1	10.9	21.8			56.4
WNW	3.7	3.7							3.7	11.1	40.7			44.4
NW	3.6	10.7						7.1	7.1	14.3	32.1			46.4
NNW		3.9	2.0						11.8	17.6	33.3			37.3
VARIABLE														
CALM									7.6	32.2	15.7			45.9
TOTAL	8	54	3					21	64	205	338			567
% TOTAL	.7	4.5	.3					1.8	7.0	17.1	28.2			47.3

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 93727 NEW RIVER, NORTH CAROLINA JAN 1973-DEC 1977 MONTH OCTOBER ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.1	1.0	2.0						9.1	5.6	21.6			61.4
NNE	4.1								6.8	9.6	17.8			67.1
NE	3.7								3.7	7.4	18.5			70.4
ENE	1.8								3.6	7.3	29.1			60.0
E		2.9								5.8	27.5			65.2
ESE											29.0			71.0
SE		10.0									35.0			55.0
SSE	4.8	7.1						2.4	4.8	4.8	19.0			69.0
S	2.0	6.1							2.0	2.0	22.4			69.4
SSW	2.6	5.1						2.6		7.7	25.6			66.7
SW	4.6								4.8	19.0	7.1			69.0
WSW	6.1								2.0	20.4	12.2			63.3
W		1.1							4.4	5.6	11.1			77.8
WNW	4.3								4.3	10.9	17.4			65.2
NW	1.9	3.6							11.3		20.8			64.2
NNW	5.7	2.3	2.3						9.1	12.5	14.8			61.4
VARIABLE														
CALM		1.2							8.6	28.4	18.5			45.3
TOTAL	35	22	6					3	74	144	242			766
% TOTAL	2.8	1.8	.5					.2	6.0	11.6	19.5			61.8

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 93727 NEW RIVER, NORTH CAROLINA STATION NAME JAN 1973-DEC 1977 YEARS NOVEMBER MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	3.1								8.2	4.1	10.3			77.3
NNE	7.8	1.6	3.1						20.3	12.3	14.1			53.1
NE	12.3		3.0						15.0	2.3	22.3			52.3
ENE	8.1	2.7	2.7						10.8	2.7	8.1			70.3
E	2.3	4.3	2.3					3.2	11.4	11.4	9.1			63.6
ESE	3.2	3.2							6.3	6.3	22.6			61.3
SE	2.9	8.8							3.9	2.9	17.6			73.3
SSE	4.8								1.9	1.9	28.6			61.9
S	1.9	3.8	1.9						3.0	3.0	11.3			81.1
SSW									8.8	3.3	13.3			76.7
SW	3.3							1.1	4.3	7.6	8.7			78.9
WSW		1.1							6.0	8.2	7.3			76.1
W	2.2	1.3	.7						2.8	3.6	8.3			83.1
WNW	1.4	1.4							4.9	4.9	4.9			83.6
NW	1.6		1.6			1.6			9.1	4.3	9.1			73.8
NNW	3.0		1.3											
VARIABLE														
CALM	1.8	1.3	.7						12.2	19.3	7.1			66.9
TOTAL	39	17	12			1		2	101	104	123			854
% TOTAL	3.3	1.4	1.0			.1		.2	8.4	8.7	10.3			71.2

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 93727 NEW RIVER, NORTH CAROLINA JAN 1973-DEC 1977 MONTH DECEMBER ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	12.4	1.8	.9						6.2	5.3	5.3			79.6
NNE	9.5	1.6	6.3						7.9	9.3	9.3			69.8
NE	16.2	2.7	2.7							13.5				75.7
ENE	7.5	2.5							5.0	12.5	22.5			60.0
E	11.4	2.3	2.3						11.4	6.8	11.4			65.9
ESE	5.3	10.5	5.3						15.8	10.5	21.1			42.1
SE		5.0							10.0	10.0	10.0			65.0
SSE	9.1								4.5	4.5	9.1			81.8
S	15.4	4.6						1.5	7.7	13.8	9.2			61.5
SSW	9.1	1.5							7.6	18.2	7.6			66.7
SW	8.9	1.3	1.3					1.3	3.8	8.9	6.3			74.7
WSW	6.7	2.2	1.1						4.5	12.4	3.4			73.0
W	4.9	.7				1.4			10.5	5.6	8.4			74.8
WNW	7.1		3.6			2.4			6.0	8.3	4.8			76.2
NW	3.6		5.5						7.3	5.3	7.3			80.0
NNW	4.0		1.3						5.3	1.3	8.0			84.0
VARIABLE														
CALM	2.6	8.2							14.2	18.2	8.0			57.8
TOTAL	101	22	17			4		2	102	129	97			870
% TOTAL	8.2	1.8	1.4			.3		.2	8.2	10.4	7.8			70.2

TOTAL NUMBER OF OBSERVATIONS 1,239

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 93727 NEW RIVER, NORTH CAROLINA JAN 1973-DEC 1977 ALL MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	5.2	1.6	1.1	.2	.3	.2		.4	9.3	8.9	20.4	.3		60.1
NNE	4.5	3.8	2.4	.4	.6	1.0		.6	10.7	13.0	19.1	.6		54.6
NE	5.7	2.9	1.3	.2	.4	.8		.2	10.1	11.6	22.3			53.4
ENE	4.4	6.0	.6					.8	7.2	10.3	23.0			55.3
E	3.8	4.7	.6					.6	5.8	7.8	26.0	.2		57.3
ESE	3.2	3.7	.2					.7	2.5	5.7	28.9			60.7
SE	2.0	5.3	.3					1.3	2.5	4.3	28.4			61.8
SSE	3.5	3.8				.2		1.5	3.3	4.8	25.3			63.1
S	3.3	6.1	.3					2.3	3.2	5.6	22.3		.1	64.3
SSW	2.0	4.3	.2					2.7	2.5	9.7	20.2			64.6
SW	1.7	2.6	.1					.9	3.3	11.8	20.8		.1	62.4
WSW	1.3	3.6	.2					1.2	3.2	12.9	20.3			61.8
W	1.1	3.2	.2			.2		1.8	6.3	10.1	17.6			65.3
WNW	2.3	2.8	.7			.3		.5	3.1	8.1	15.9		.2	69.1
NW	2.3	2.2	.8			.2		1.8	6.7	5.9	13.1		.4	72.6
NNW	2.7	2.0	1.3			.2		.9	8.0	9.0	15.9			65.7
VARIABLE	2.1	1.9	.3					.5	8.3	22.3	13.0			53.0
CALM														
TOTAL	411	488	81	7	10	22		164	904	1674	2903	9	5	8874
% TOTAL	2.8	3.3	.6	.0	.1	.2		1.1	6.2	11.3	19.9	.1	.0	60.8

TOTAL NUMBER OF OBSERVATIONS 14,606

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION	DERIVED FROM DAILY OBSERVATIONS
SNOWFALL*	DERIVED FROM DAILY OBSERVATIONS
SNOW DEPTH	DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945	Snow depth at 0800 LST
	Jan 46-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52	Snow depth at 0030 GCT
	Jul 52-May 57	Snow depth at 1230 GCT
	Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

YEARS

		AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	55.5	7.4	2.1	6.7	3.2	8.5	9.2	4.6	2.8					37.1	434	3.76	7.53	1.96	
FEB	59.3	8.8	1.8	5.1	2.5	5.6	6.6	6.1	4.3					31.8	396	3.99	7.01	1.72	
MAR	57.4	11.5	1.4	6.5	3.9	6.2	5.3	5.3	2.5					31.1	434	3.31	6.39	.75	
APR	62.4	9.0	1.7	5.0	6.4	5.7	3.6	3.8	2.1	.2				28.6	420	2.93	6.15	.50	
MAY	53.9	13.8	.9	6.9	3.2	7.4	4.6	6.5	2.1	.7				32.3	434	4.15	8.36	1.71	
JUN	54.8	10.5	1.9	5.5	3.8	6.0	5.5	4.8	6.4	1.0				34.8	420	5.94	11.82	2.39	
JUL	43.3	11.3	1.8	5.3	5.1	8.1	7.6	9.4	7.6	.2	.2			45.4	434	8.08	14.34	4.61	
AUG	45.9	12.7	2.8	4.6	5.1	7.1	8.5	6.7	6.0	.7				41.5	434	6.46	12.64	1.69	
SEP	59.3	10.5	1.2	5.2	4.0	5.7	5.0	5.0	3.3	.7				30.2	420	4.31	9.20	1.40	
OCT	65.9	12.4	.9	3.7	3.7	3.0	3.2	3.7	3.2	.2				21.7	434	3.17	6.49	1.16	
NOV	68.6	8.8	1.7	5.0	2.6	3.3	5.2	2.4	2.1	.2				22.6	420	2.61	5.73	.58	
DEC	59.8	9.7	2.8	5.2	3.4	6.0	4.9	3.9	4.3					30.5	465	3.81	6.10	.44	
ANNUAL	57.2	10.5	1.7	5.4	3.9	6.0	5.8	5.2	3.9	.3	.0			32.3	5145	2.52			

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

93727
STATIONNEW RIVER, NORTH CAROLINA
STATION NAME

59, 63-77

YEARS

5722 Daily Amounts Jan. 1969

PRECIP. SNOWFALL SNOW- DEPTH	AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)												
	NONE	TRACE	.01	.02-.05	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00		MEAN			GREATEST	LEAST											
													NONE	TRACE						.01-.04	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4
JAN	94.5	2.8	.2	1.6	.9												2.8	434	1.1	5.9	.0									
FEB	96.5	2.8				.5				.3							.8	396	1.3	16.2	.0									
MAR	97.2	2.8																434	TRACE	TRACE	.0									
APR	100.0																	420	.0	.0	.0									
MAY	100.0																	434	.0	.0	.0									
JUN	100.0																	420	.0	.0	.0									
JUL	100.0																	434	.0	.0	.0									
AUG	100.0																	434	.0	.0	.0									
SEP	100.0																	420	.0	.0	.0									
OCT	100.0																	434	.0	.0	.0									
NOV	99.0	1.0																420	TRACE	TRACE	.0									
DEC	97.8	1.7	.2			.2											.4	465	.2	2.7	.0									
ANNUAL	98.7	.9	.0	.1	.1	.1				.0							.3	5145	2.6											

NAVWEASERVCOM

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

93727 STATION NEW RIVER, NORTH CAROLINA 59, 63-77 YEARS

5722 Daily Amounts Jan. 1969

		AMOUNTS (INCHES)															PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
		PRECIP.	NONE	TRACE	TRACE	.01	.02-.05	.06-10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-30.4	OVER 30.4							
SNOW- DEPTH	NONE	TRACE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120							
JAN	96.5	.5	1.6	.2	.7	.5									3.0	434					
FEB	98.4	.3				.8	.5								1.4	368					
MAR	99.5	.5														434					
APR	100.0															420					
MAY	100.0															434					
JUN	100.0															420					
JUL	100.0															434					
AUG	100.0															434					
SEP	100.0															420					
OCT	100.0															434					
NOV	100.0															420					
DEC	99.6	.2		.2												.2	465				
ANNUAL	99.5	.1	.1	.0	.1	.1	.0	.0								.4	5117				

NAVWEASERVCOM

EXTREME VALUES

PRECIPITATION (FROM DAILY OBSERVATIONS)

STATION 93727 NEW RIVER, NORTH CAROLINA 59, 63-77 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
55													
56													
57													
58							5.35						
59													
60													
61													
62													
63													
64	1.44	1.78	.39	4.33	1.77	1.23	2.25	2.40	3.97	1.43	1.70	1.10	4.33
65	.50	1.69	1.38	.51	2.20	2.51	1.98	.99	.45	1.40	.68	.24	2.51
66	2.07	2.19	1.29	.57	.94	2.04	1.63	1.23	1.17	.51	.87	1.06	2.19
67	.85	1.73	.40	1.76	.86	1.64	2.41	2.53	3.02	.80	.94	2.21	3.02
68	1.04	1.51	.62	.72	.86	.97		1.31	1.27	1.74	1.63	.51	
69	1.13	.58	1.64	1.21	1.22	2.48	2.26	2.98	.92	1.28	3.16	1.48	3.16
70	.48	.96	1.45	.66	1.10	2.10	1.26	2.44	1.50	1.40	.50	2.02	2.44
71	.81	1.23	.97	1.15	.65	2.53	1.10	1.98	2.45	1.70	.62	.50	2.53
72	1.03	1.14	.67	.69	.91	1.69	1.42	.28	1.15	.65	1.31	1.06	1.69
73	.62	1.34	.86	1.87	.92	2.06	2.15	2.00	1.02	.46	.45	2.25	2.25
74	.59	.51	1.31	1.48	3.05	2.77	1.92	1.83	.68	.80	.74	1.55	3.05
75	1.36	1.47	.74	.94	.45	2.60	2.21	3.43	1.91	2.67	.95	1.63	3.43
76	.49	1.06	.92	.23	1.46	1.44	2.07	2.36	2.22	1.65	2.07	1.22	2.36
77	1.03	1.44	1.27	.81	3.87	.99	3.45	1.32	2.55	2.36	1.99	1.55	3.87
MEAN	.96	1.33	.99	1.21	1.45	1.93	2.25	1.93	1.73	1.35	1.26	1.39	2.83
S. D.	.449	.463	.401	1.017	.978	.613	1.063	.843	.998	.664	.771	.668	.736
TOTAL OBS.	434	396	434	420	434	420	434	434	420	434	420	465	5145

NAYWEASERVCOM

5723 Extreme Values Jan 1969

PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
93727	NEW RIVER, NORTH CAROLINA	59, 63-77

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

EXTREME VALUES

SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION 93727 NEW RIVER, NORTH CAROLINA 59, 63-77 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
55	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	TRACE
56	2.4	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4
57	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	1.0
58	.0	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.2	.2
59	TRACE	2.6	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
60	1.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	.0	1.4
61	1.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	2.7	2.7
62	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
63	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE
64	2.1	13.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	13.4
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE
67	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.3
68	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE
69													
70													
71													
72													
73													
74													
75													
76													
77													
MEAN	.59	1.14	TRACE	.00	.00	.00	.00	.00	.00	.00	TRACE	.19	1.65
S. D.	.851	3.595	.000	.000	.000	.000	.000	.000	.000	.000	.000	.695	3.657
TOTAL OBS.	434	396	434	420	434	420	434	434	420	434	420	465	5145

(FROM DAILY OBSERVATIONS)

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOW DEPTH
(FROM DAILY OBSERVATIONS)

93727 STATION NEW RIVER, NORTH CAROLINA 59, 63-77 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
55													
56													
57													
58													
59							0						
60													
61													
62													
63													
64													
65													
66													
67													
68													
69													
70													
71													
72													
73													
74													
75													
76													
77													
MEAN													
S. D.													
TOTAL OBS.													

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

1955-1977

YEARS

DAILY EXTREME AMOUNTS

5724 DAILY AMOUNTS MAR 1978

JANUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.95	24	1934			
2	1.03	26	1972			
3	0.33	8	1977			
4	0.50	13	1968	1.4	36	1969
5	1.60	41	1966			
6	0.48	12	1970			
7	1.07	27	1964	2.0	51	1973
8	0.81	21	1971	2.1	53	1973
9	0.86	22	1964	T	T	1973
10	1.04	26	1968	T	T	1973
11	1.36	35	1973			
12	1.44	37	1964			
13	1.02	26	1968			
14	1.03	26	1977			
15	0.86	22	1966	T	T	1965
16	0.24	6	1965	1.0	25	1965
17	0.37	9	1976	0.5	13	1965
18	0.26	7	1975			
19	1.07	27	1969	T	T	1970
20	1.13	29	1969	1.0	25	1970
21	0.30	8	1974			
22	2.07	53	1966			
23	0.14	4	1975	1.0	25	1970
24	0.70	18	1971			
25	0.86	22	1964	1.0	25	1966
26	1.02	26	1966			
27	0.45	11	1976	0.5	13	1966
28	0.40	10	1974	T	T	1969
29	0.59	15	1974			
30	0.50	13	1965	2.0	51	1965
31	0.24	6	1965	2.4	61	1965
Monthly	2.07	53	1966	2.4	61	1965

FEBRUARY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.83	21	1972	T	T	1971
2	0.90	23	1970			
3	0.96	24	1970	T	T	1975*
4	1.45	37	1975			
5	0.39	10	1975			
6	1.41	36	1967			
7	1.34	34	1967			
8	0.77	20	1964	T	T	1964
9	1.73	44	1967	2.8	71	1973
10	1.34	34	1973	13.4	340	1973
11	0.27	7	1964	T	T	1968
12	1.14	29	1972			
13	1.23	31	1971			
14	1.69	43	1965			
15	0.46	12	1974			
16	0.94	24	1975	T	T	1977*
17	0.84	21	1965			
18	1.78	45	1964	T	T	1977
19	1.47	37	1975	T	T	1972
20	0.13	3	1967			
21	0.65	17	1965			
22	1.06	27	1976			
23	0.07	2	1969			
24	1.44	37	1977	2.6	66	1968
25	0.67	17	1964			
26	0.18	5	1972	T	T	1970
27	0.70	18	1971			
28	2.19	56	1966			
29	1.51	38	1968			
30						
31						
Monthly	2.19	56	1966	13.4	340	1973

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93727 NEW RIVER, NORTH CAROLINA

STATION STATION NAME

1955-1977

YEARS

DAILY EXTREME AMOUNTS

MARCH
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.84	21	1969	T	T	1969*
2	0.97	25	1971	T	T	1975
3	0.48	12	1971			
4	1.25	32	1966			
5	0.66	17	1970			
6	1.64	42	1969	T	T	1965
7	1.27	32	1977			
8	T	T	1976*			
9	0.40	10	1976			
10	0.18	5	1971			
11	0.13	3	1974			
12	0.59	15	1968	T	T	1965
13	0.66	17	1977			
14	0.20	5	1970	T	T	1970
15	1.29	33	1966	T	T	1970
16	0.92	23	1976			
17	1.38	35	1965			
18	1.32	34	1969			
19	0.63	16	1975			
20	1.15	29	1965			
21	1.25	32	1970			
22	1.45	37	1970			
23	0.38	10	1965			
24	0.52	13	1969			
25	1.31	33	1974	T	T	1972*
26	0.68	17	1971	T	T	1972*
27	T	T	1974*			
28	0.08	2	1970			
29	0.66	17	1974			
30	0.62	16	1970			
31	0.86	22	1973	T	T	1965
Monthly	1.64	42	1969	T	T	1975*

APRIL
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.87	47	1973			
2	0.10	3	1970			
3	0.79	20	1975			
4	0.32	8	1966			
5	1.48	38	1974			
6	1.21	31	1969			
7	1.31	33	1973			
8	4.33	110	1964			
9	0.85	22	1974			
10	0.71	18	1968			
11	0.94	24	1975			
12	0.69	18	1972			
13	1.07	27	1974			
14	0.33	8	1970			
15	0.81	21	1975			
16	0.17	4	1969			
17	0.90	23	1974			
18	0.60	15	1969			
19	0.06	2	1965			
20	0.50	13	1975			
21	0.22	6	1972			
22	0.43	11	1972			
23	0.51	13	1965			
24	0.81	21	1977			
25	0.10	3	1977*			
26	1.76	45	1967			
27	1.71	43	1973			
28	1.15	29	1971			
29	0.22	6	1968			
30	0.32	8	1968			
31						
Monthly	4.33	110	1964			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93727 STATION
NEW RIVER, NORTH CAROLINA STATION NAME

1955-1977 YEARS

DAILY EXTREME AMOUNTS

MAY MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.25	6	1975			
2	0.32	8	1966			
3	1.77	45	1964			
4	0.59	15	1970			
5	1.04	26	1974			
6	0.09	2	1968			
7	0.94	24	1976			
8	0.65	17	1971			
9	0.92	23	1973			
10	0.27	7	1974			
11	0.52	13	1965			
12	0.44	11	1974			
13	0.25	6	1966			
14	0.94	24	1966			
15	0.35	9	1975			
16	0.32	8	1976			
17	1.10	28	1970			
18	0.85	22	1974			
19	0.89	23	1969			
20	0.74	19	1969			
21	0.91	23	1972			
22	0.86	22	1967			
23	1.27	32	1974			
24	3.87	98	1977			
25	2.53	64	1977			
26	3.05	77	1974			
27	0.78	20	1968			
28	1.89	48	1965			
29	1.46	37	1976			
30	0.13	3	1964			
31	0.45	11	1975			
Monthly	3.87	98	1977			

JUNE MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.89	23	1964			
2	1.23	31	1964			
3	1.44	37	1976			
4	0.59	15	1976			
5	0.08	2	1970			
6	0.36	9	1977			
7	2.10	53	1970			
8	0.09	2	1966			
9	1.91	49	1969			
10	1.02	26	1966			
11	2.04	52	1966			
12	2.07	53	1965			
13	2.02	51	1973			
14	1.37	35	1965			
15	2.51	64	1965			
16	2.48	63	1969			
17	0.85	22	1966			
18	0.60	15	1966			
19	0.09	2	1977*			
20	1.74	44	1973			
21	1.69	43	1972			
22	1.35	34	1976			
23	2.53	64	1971			
24	1.64	42	1967			
25	2.17	55	1965			
26	1.24	31	1973			
27	2.77	70	1974			
28	2.60	66	1975			
29	2.06	52	1973			
30	0.42	11	1967			
31						
Monthly	2.77	70	1974			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

1955-1977

YEARS

DAILY EXTREME AMOUNTS

JULY
MONTH

AUGUST
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.90	23	1977			
2	1.10	28	1971			
3	0.96	24	1964			
4	0.65	17	1973			
5	1.61	41	1973			
6	1.35	34	1974			
7	2.26	57	1969			
8	1.95	50	1967			
9	2.25	57	1964			
10	2.04	52	1968			
11	2.02	51	1975			
12	2.21	56	1975			
13	2.04	52	1967			
14	5.35	136	1959			
15	2.41	61	1967			
16	1.17	30	1974			
17	2.15	55	1973			
18	0.31	8	1964			
19	1.49	38	1967			
20	0.76	19	1971			
21	1.92	49	1974			
22	1.26	32	1970			
23	1.16	29	1964			
24	1.00	25	1967			
25	0.68	17	1966			
26	3.45	88	1977			
27	0.90	23	1974			
28	2.07	53	1976			
29	1.65	42	1968			
30	1.89	48	1968			
31	1.43	36	1976			
Monthly	5.35	136	1959			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.00	51	1970			
2	1.02	26	1977			
3	2.36	60	1976			
4	1.68	43	1974			
5	2.98	76	1969			
6	1.41	36	1974			
7	1.23	31	1966			
8	0.86	22	1976			
9	0.75	19	1970			
10	1.39	35	1975			
11	1.49	38	1967			
12	1.72	44	1967			
13	0.75	19	1974			
14	0.73	19	1970			
15	1.36	35	1974			
16	2.00	51	1973			
17	2.06	52	1970			
18	2.44	62	1970			
19	1.31	33	1968			
20	1.19	30	1976			
21	0.94	24	1970			
22	0.66	17	1974			
23	2.53	64	1967			
24	0.72	18	1970			
25	0.54	14	1966			
26	3.43	87	1975			
27	1.10	28	1971			
28	0.23	6	1972			
29	0.40	10	1964			
30	0.40	10	1967			
31	2.40	61	1964			
Monthly	3.43	87	1975			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY EXTREME AMOUNTS

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

1955-1977
YEARS

SEPTEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.62	16	1968			
2	0.89	23	1976			
3	0.56	14	1974			
4	0.32	8	1970			
5	1.15	29	1972			
6	1.17	32	1968			
7	0.11	18	1977			
8	2.55	65	1977			
9	3.02	77	1967			
10	0.95	24	1967			
11	0.96	24	1970			
12	0.89	23	1975			
13	3.97	101	1964			
14	1.17	30	1966			
15	2.22	56	1976			
16	0.36	9	1975			
17	0.68	17	1974			
18	0.92	23	1969			
19	1.17	30	1966			
20	0.65	17	1976			
21	1.13	29	1976			
22	1.91	49	1975			
23	0.91	23	1975			
24	0.18	5	1965			
25	1.36	35	1975			
26	0.47	12	1975			
27	0.54	14	1970			
28	1.50	38	1970			
29	0.95	24	1976			
30	2.45	62	1971			
31						
Monthly	3.97	101	1964			

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.81	21	1964			
2	1.00	25	1964			
3	1.28	33	1969			
4	1.38	35	1964			
5	1.43	36	1964			
6	T	7	1972*			
7	1.40	36	1965			
8	0.78	20	1969			
9	0.80	20	1971			
10	1.07	27	1971			
11	0.69	18	1977			
12	1.42	36	1977			
13	0.97	25	1977			
14	0.67	17	1977			
15	0.13	3	1964			
16	0.48	12	1974			
17	2.67	68	1975			
18	1.07	27	1975			
19	1.73	44	1968			
20	1.65	42	1976			
21	1.40	36	1970			
22	1.70	43	1971			
23	1.12	28	1971			
24	0.65	17	1972			
25	0.21	5	1970			
26	2.36	60	1977			
27	1.04	26	1969			
28	0.43	11	1973			
29	0.24	6	1964			
30	0.41	10	1970			
31	0.83	21	1970			
Monthly	2.67	68	1975			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93727 STATION NEW RIVER, NORTH CAROLINA
STATION NAME

NOVEMBER
MONTH

YEARS

1955-1977

DECEMBER
MONTH

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	3.16	80	1969			
2	2.19	56	1969			
3	0.43	11	1970			
4	1.09	28	1968			
5	0.11	3	1977			
6	1.99	51	1977			
7	0.22	6	1963			
8	0.33	8	1965			
9	0.51	13	1968			
10	0.48	12	1968	T	T	1968
11	1.63	41	1968			
12	0.36	9	1974			
13	0.22	6	1965			
14	0.72	18	1972			
15	2.07	53	1976			
16	0.21	5	1972			
17	0.41	10	1972			
18	0.74	19	1974			
19	0.45	11	1973			
20	0.47	12	1974			
21	0.04	1	1965			
22	0.68	17	1965			
23	1.19	30	1977	T	T	1970
24	0.94	24	1967			
25	1.70	43	1964			
26	0.26	7	1976	T	T	1977
27	0.12	3	1976			
28	0.60	15	1976			
29	3.20	81	1963			
30	1.31	33	1972	T	T	1964
31						
Monthly	3.20	81	1963	T	T	1977*

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.55	39	1974			
2	0.15	4	1968			
3	0.89	23	1967	T	T	1971
4	0.29	7	1964			
5	0.67	17	1977			
6	1.03	26	1972			
7	1.48	38	1969	T	T	1968
8	2.25	57	1973	T	T	1976
9	0.46	12	1975			
10	1.33	34	1969			
11	2.21	56	1967	T	T	1973
12	1.13	29	1976			
13	0.72	18	1966			
14	0.54	14	1963			
15	1.13	29	1976	T	T	1968
16	2.02	51	1970			
17	1.18	30	1975	T	T	1973
18	0.32	8	1966			
19	0.05	1	1965			
20	0.89	23	1974			
21	0.62	16	1977	T	T	1977*
22	0.68	17	1969			
23	1.10	28	1963	0.2	5	1967
24	0.19	5	1966			
25	0.24	6	1976			
26	1.63	41	1975			
27	2.44	62	1964			
28	1.53	39	1967			
29	1.06	27	1966	2.7	69	1970
30	1.55	39	1977			
31	1.42	36	1975			
Monthly	2.44	62	1964	2.7	69	1970

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS (FROM DAILY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

STATION

STATION NAME

57-77

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
55	NNW 40W	32NE 28W	40W	44NNW 35NNW	28NNW	30NE 30N	24S	32WSW 36					W 44
56	N 30NW	40NW 38NE	42WSW 30NW	38SW	34N	38N	70NNE	40SSW 34					N 70
57	S 43SW	40S	34SSW 37N	42SSW 33N	39ESE 40SW	28WSW 34WSW	36						S 46
58	S 38S	50NNW 36WSW	46WSW 29SSW	30NNW 42SW	32ESE 60NNW	32WSW 28WSW	46						ESE 68
59	NNW 40SSW	36NNW 34SSE	40N	32SSW 46SW	56S	29NW	51NNW 37NW	30SW 36					SSW 56
60	S 40SW	42N 38WSW	38NW	32NW	53ESE 47SSW	27N	28NE 30NNE	50NNE 38					NW 53
61	NNW 53SSW	44SSW 43N	39NW	48	WSW 33	SW 50SW	37						SSW 49
62	WSW 45SSW	49W 40SW	38NNE	32MSW	29NNW 37S	29NNW 30SW	35SW	37NW 42					S 51
63	SW 36SW	46NW 40W	33S	51W 35NW	34NE 25W	27SE 36N	41SW 33						N 46
64	W 40SW	52NW 35S	38NE	34NE 41N	42	SE 27NW	35W 36W	39					NW 41
65	NW 42NW	36N 46NE	36W	41SW 33S	30N	24N 22SW	31NW 41S	32					
66	E 29W	34SW 36NE	35W	30E 24NNW	28NW	32NE 21NE	32W 35NW	41					
67	NW 32W	33SW 29SW	28NNE	38SSW 36N	25	NNE 24							
68	W 38	20	4027	3428	3801	4621	3308	3236	4633	2930	3934	42	
69	20	2820	3621	3530	2930	3329	2418	2720	3513	2404	1924	3907	35
70				19	2932	44			18	2227	2919	29	20
71	21	3618	3214	37	27	3527	28	09	2018	3820	40	27	31
72	18	3326	4432	4230	3423	3306	2927	4524	1927	2127	4111	27	
73	27	3118	2626	3222	3134	2231	4130	3121	2118	1621	2829	2628	23
74													31
75													
76													
77													
MEAN	37.8	41.0	37.9	35.7	34.7	36.0	35.9	28.5	34.6	30.8	35.4	36.2	50.1
S. D.	6.408	8.396	4.952	4.653	7.412	8.216	8.043	5.864	15.378	6.106	6.934	6.850	10.431
TOTAL OBS.	525	480	554	565	643	505	523	526	537	584	566	585	6595

NAVWEASERVCOM

5723 Extreme Values Jan 1969

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

JAN

STATION

STATION NAME

YEARS

MONTH

CLASS

ALL WEATHER

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	3.2	3.9									9.7	5.5
NNE	1.9	.6	1.3	1.3								5.2	6.8
NE		.6										.6	4.0
ENE		1.3	.6									1.9	5.3
E	1.3	1.3										2.6	3.0
ESE	.6											.6	1.0
SE													
SSE													
S		1.9	3.9	.6								6.5	7.8
SSW	2.6		1.9									4.3	4.4
SW	1.9	3.2	2.6	.6								8.4	6.5
WSW	2.6	4.3	.6									7.7	4.6
W	2.6	2.6	1.9									7.1	4.8
WNW	.6	2.6	1.9									5.2	5.9
NW	1.9	1.3		1.3								4.3	6.3
NNW	1.9	3.2	.6	1.9								7.7	6.4
VARB													
CALM												27.7	
	20.6	26.5	19.4	5.8								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

JAN

STATION NAME

YEARS

MONTH

ALL WEATHER

04

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8	3.9	2.6									12.3	4.3
NNE	3.2	.6	.6	.6								5.2	4.8
NE	1.3	1.9	1.3									4.3	5.1
ENE	.6											.6	2.0
E													
ESE	1.3		.6									1.9	4.0
SE			.6									.6	10.0
SSE	.6	.6		.6								1.9	5.7
S	1.3		1.3	.6								3.2	7.6
SSW		1.9	.6									2.6	6.3
SW	1.3	3.2	1.3	.6								6.3	6.2
WSW	1.9	3.9	1.3	.6								7.7	5.6
W	3.9	1.9	1.3									7.1	4.3
WNW	.6	4.3	1.9									7.1	5.5
NW	.6	1.3	1.9									3.9	6.0
NNW		2.6	1.9	.6								5.2	7.4
VARB													
CALM												29.7	
	22.6	26.5	17.4	3.9								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

JAN

MONTH

07

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	4.5	3.9									12.3	5.1
NNE	1.3	1.3	.6									3.2	4.6
NE	1.3	1.3	.6									3.2	5.2
ENE	1.3	1.9										3.2	3.8
E	1.9	.6										2.6	3.3
ESE													
SE													
SSE													
S		1.3	1.9	1.3								4.5	8.7
SSW		2.6	1.9									4.5	6.0
SW	3.2	2.6	.6									6.5	3.9
WSW	3.2	.6	2.6	.6								7.1	5.9
W	2.6	3.2	.6	1.3								7.7	6.1
WNW	2.6	3.9										6.5	3.9
NW		1.9	.6									2.6	6.0
NNW	2.6	2.6	2.6									7.7	5.2
VARB													
CALM												28.4	
	23.9	28.4	16.1	3.2								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEAR

JAN
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	6.5	4.5	1.3								16.8	5.7
NNE		3.2	3.9	.6								7.7	7.9
NE	1.3	1.3	1.3									3.9	4.8
ENE	1.9	1.3										3.2	3.4
E	3.2	1.3										4.5	2.7
ESE	.6	.6										1.3	4.0
SE	1.3	.6										1.9	3.3
SSE			.6	.6								1.3	10.0
S		1.9	1.9	1.9								5.8	8.4
SSW		1.9	1.3	1.3								4.5	7.9
SW	.6	5.2	1.3	.6								7.7	6.1
WSW	1.3	1.3	3.2	1.3								7.1	7.4
W	1.9	1.3	3.2	.6								7.1	6.4
WNW	1.3	1.3	1.3	.6								4.5	6.1
NW	.6	3.9	2.6	1.9	.6							9.7	7.9
NNW		1.9	2.6	.6	.6							5.8	9.3
VARBL													
CALM												7.1	
	18.7	33.3	27.7	11.6	1.3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 93727 NEW RIVER, NORTH CAROLINA 73-77 JAN 13 1978
STATION NAME CLASS ALL WEATHER MONTH HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	5.8	3.2	.6	.6							12.3	6.6
NNE	.6	1.9	1.3									3.9	5.3
NE	.6	1.3	1.3	.6								3.9	6.5
ENE	2.6	.6	.6									3.9	4.0
E	1.3	3.2										4.5	4.0
ESE	.6	.6	1.3									2.6	5.3
SE	.6	1.3	.6									2.6	5.0
SSE	.6	.6	.6									1.3	4.5
S	1.3	1.3	1.3	3.2								7.1	8.8
SSW	.6	.6	.6	1.9								2.6	13.0
SW	.6	.6	2.6	1.9								5.8	9.4
WSW	.6	1.3	3.2	1.3	1.3							7.7	9.9
W	.6	4.5	4.5	4.5								14.2	8.5
WNW	1.3	3.2	3.2	1.9								9.7	7.5
NW	.6	2.6	1.9	1.9								6.5	9.1
NNW	1.3		3.2	.6								5.2	7.5
VARB												6.5	
CALM													
	14.8	28.4	29.7	18.7	1.9							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION
93727

STATION NAME
NEW RIVER, NORTH CAROLINA

73-77

YEARS

JAN

MONTH

ALL WEATHER
CLASS

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.5	2.6	2.6								11.0	7.5
NNE	.6	3.9	1.9	.6								7.1	6.7
NE		1.9										1.9	5.3
ENE	.6	1.9	.6									3.2	4.8
E	.6	.6										1.3	6.5
ESE	.6	1.3	.6	.6								3.2	6.4
SE	.6	2.6	.6									3.9	5.3
SSE	.6	1.9										2.6	4.8
S		5.2	5.2	1.9	.6							12.9	8.0
SSW		.6	2.6									3.2	8.8
SW		1.9	2.6									4.5	6.4
WSW	1.3		3.2	2.6								7.1	9.8
W	.6	4.5	5.6	1.9	.6							13.5	8.1
WNW	1.3		3.2	.6								5.2	8.0
NW	.6	1.9	1.3	3.2								7.1	9.0
NNW	2.6	1.3	2.6									6.5	5.5
VARB													
CALM												5.8	
	11.6	34.2	32.9	14.2	1.3							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

JAN

STATION NAME

YEARS

MONTH

STATION

ALL WEATHER

19

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	6.5	.6	3.9	.6								11.6	4.9
NNE	1.3	1.3	.6									3.2	4.0
NE	1.9	.6										2.6	3.0
ENE	1.3	.6	.6									1.9	3.7
E	.6	1.3	1.9									3.9	6.3
ESE	.6	1.3	.6									2.6	5.3
SE	.6	1.9										2.6	4.3
SSE	1.3	.6										1.9	3.7
S	1.3	1.9	.6	.6	.6							5.2	6.9
SSW	.6	3.9	5.8									10.3	6.4
SW	3.9	1.9	1.3									7.1	4.2
WSW	2.6	3.9	1.9									8.4	4.7
W	2.6	3.9	.6									7.1	4.4
WNW	1.3	1.3	2.6									5.2	6.3
NW	.6	1.3	.6	.6								3.2	6.2
NNW	1.3	.6	2.6									4.5	6.3
VARBL													
CALM												18.7	
	27.1	27.7	23.9	1.9	.6							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

JAN
MONTH

ALL WEATHER
CLASS

22

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	.6									4.5	4.6
NNE	2.6	1.3	1.9									5.8	4.7
NE	.6	1.9	.6									3.2	4.2
ENE	1.9		.6									2.6	4.0
E	1.3	1.9										3.2	3.6
ESE		.6	.6									1.3	6.0
SE	.6											.6	2.0
SSE	1.3											1.9	5.0
S	.6	2.6	1.9									5.2	6.1
SSW	.6	3.2	1.3									5.2	5.8
SW	3.9	5.2	1.3									10.3	4.3
WSW	3.9	2.6	1.9									8.4	4.4
W	2.6	2.6	1.3									6.3	4.8
WNW	.6	2.6		.6								3.9	5.7
NW	.6	1.9	1.3	1.3								5.2	7.9
NNW	2.6	1.3	3.2									7.1	5.5
VARBL													
CALM												25.2	
	25.8	29.7	17.4	1.9								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	3.9	3.1	.6	.1							11.3	5.6
NNE	1.5	1.8	1.5	.4								5.2	5.9
NE	.9	1.4	.6	.1								3.0	4.9
ENE	1.1	1.0	.4									2.6	4.2
E	1.3	1.3	.2									2.8	3.9
ESE	.6	.6	.5	.1								1.7	5.1
SE	.5	.6	.2									1.5	4.8
SSE	.6	.4	.2	.2								1.4	5.4
S	.6	2.0	2.3	1.3	.2							6.3	7.9
SSW	.5	1.8	2.0	.4								4.7	6.9
SW	1.9	3.0	1.7	.5								7.1	5.7
WSW	2.2	2.3	2.3	.8	.2							7.7	6.5
W	2.2	3.1	2.4	1.0	.1							8.8	6.4
WNW	1.2	2.4	1.8	.5								5.9	6.2
NW	.6	2.0	1.3	1.3	.1							5.3	7.7
NNW	1.5	1.7	2.4	.5	.1							6.2	6.5
VARBL													
CALM												18.6	
	20.6	29.4	23.1	7.7	.6							100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	2.8	2.1								7.1	8.4
NNE	.7	2.8		.7								4.3	5.7
NE	1.4	.7	.7									2.8	4.0
ENE	.7			.7								1.4	7.0
E	.7	.7										1.4	4.0
ESE		2.1										2.1	4.3
SE													
SSE	.7	.7	.7									1.4	7.5
S	1.4	2.8	1.4	.7								6.4	6.1
SSW	1.4	1.4	1.4	.7								5.0	6.4
SW	2.8	4.3	2.8	.7								10.6	5.1
WSW	3.5	2.8	1.4									7.8	4.9
W	.7	3.5	1.4	.7	.7							7.1	7.4
WNW	.7	2.8	.7									4.3	5.2
NW			3.5	.7								4.3	8.7
NNW	2.1	1.4	2.1									5.7	5.3
VARB													
CALM												28.4	
	17.0	27.7	19.1	7.1	.7							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 93727 NEW RIVER, NORTH CAROLINA 73-77 YEARS MONTH FEB 04 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	2.8	3.5	.7								9.9	5.9
NNE	.7	1.4	.7	.7								3.5	6.2
NE	.7		.7									1.4	6.0
ENE	.7	.7										1.4	4.0
E	.7	1.4	1.4									3.5	5.4
ESE													
SE													
SSE	.7	.7	.7	.7								2.8	6.8
S	1.4	3.5	.7	.7								6.4	5.7
SSW	2.1	2.8		.7								5.7	4.5
SW	5.7	3.5	2.1									11.3	4.3
WSW	1.4	2.1	.7	1.4								5.7	6.9
W	.7	3.5	2.1									6.4	5.7
WNW	1.4	2.1										3.5	4.0
NW	2.1	1.4	2.1	.7								6.4	5.9
NNW	2.1	3.5	.7									6.4	4.3
VARBL													
CALM												25.5	
	23.4	29.6	15.6	5.7								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER
CLASS

07

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.5	3.5	3.5	.7								11.3	5.4
NNE	.7	.7	2.1									3.5	5.8
NE	.7	1.4	1.4									3.5	5.6
ENE		.7										.7	4.0
E	.7		.7									1.4	5.5
ESE		.7										1.4	5.5
SE													
SSE	1.4		.7	.7								2.8	6.5
S	.7	2.1	1.4	1.4								5.7	7.3
SSW	3.5		2.1									5.7	4.1
SW	2.1	1.4	.7	.7								5.0	5.6
WSW	4.3	3.5	1.4									9.2	4.2
W	2.8	2.8	2.1									7.8	4.4
WNW	.7	2.8	.7									4.3	5.2
NW	2.1	2.1	.7									5.0	4.6
NNW	2.8	2.1	1.4									6.4	4.3
VARBL													
CALM												26.2	
	26.2	24.1	19.9	3.5								100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

HOURS (L.S.T.)

10

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	6.4	.7								9.2	7.4
NNE	1.4	2.8	2.8	.7	.7							8.5	6.8
NE	1.4	1.4	2.1	.7								5.7	7.0
ENE	.7	2.1										2.8	4.8
E	3.5	2.1		.7								6.4	4.3
ESE													
SE	2.1		.7	.7								3.5	6.0
SSE		2.1										2.1	4.7
S	2.8	.7	3.5	.7	.7							6.5	7.3
SSW	.7	.7	2.8	.7								4.3	7.3
SW		3.5	2.1	1.4								7.1	7.9
WSW	.7	2.1	5.0	1.4								9.2	8.0
W	1.4	3.5	1.4	.7								7.1	6.2
WNW	1.4	2.8	2.1	2.1								8.5	7.5
NW	.7	.7	2.1	.7								4.3	8.0
NNW	1.4		3.5	3.5								8.5	9.2
VARBL													
CALM												4.3	
	19.1	26.2	34.0	14.9	1.4							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

13

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	3.3	2.1								9.9	7.1
NNE		2.8	1.4		.7							5.0	8.0
NE	.7	1.4	2.1									4.3	6.2
ENE	.7											.7	3.0
E	1.4	4.3										5.7	3.8
ESE	.7											.7	3.0
SE	1.4	1.4										2.8	4.0
SSE	.7	.7	2.1	.7								4.3	7.8
S	1.4	2.1	3.0	1.4	1.4							11.3	9.5
SSW		.7	2.8	2.8								6.4	10.6
SW	1.4		2.1	.7								4.3	7.5
WSW	.7	4.3	4.3	3.3	.7							13.3	9.2
W		3.3	3.0	2.8								11.3	9.3
WNW	.7	1.4	2.8	1.4								6.4	7.3
NW	1.4	.7	.7	2.1								5.0	8.7
NNW	.7	2.1	4.3									7.1	6.5
VARB													
CALM												1.4	
	14.2	27.7	36.2	17.7	2.8							100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93727

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

FEB

MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	3.5	2.0	.7								9.2	6.6
NNE	.7	.7			.7							2.1	8.7
NE	.7	2.1	1.4									4.3	5.5
ENE	.7	.7										1.4	3.0
E		1.4										1.4	5.0
ESE	2.1											2.1	2.7
SE	.7	1.4	4.3									6.4	7.1
SSE	1.4	2.1	.7	1.4								5.7	6.5
S		4.3	8.5	5.0	.7							18.4	9.4
SSW		1.4	2.1	2.8	.7	.7						7.3	11.6
SW		1.4	.7	.7	.7							3.5	10.8
WSW		2.1	.7	2.1								5.0	8.6
W	.7	.7	6.4	2.8								10.6	8.4
WNW	1.4	.7	2.8	.7								5.7	6.9
NW	.7	1.4	5.0	1.4	.7							9.2	9.0
NNW		1.4	2.1	.7								4.3	8.0
VARBL													
CALM												2.8	
	11.3	25.5	37.6	18.4	3.5	.7						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93727

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

FEB

MONTH

ALL WEATHER

CLASS

19

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.8	.7									5.7	4.6
NNE	.7		1.4		.7							2.8	10.0
NE	1.4	.7		.7								2.8	6.0
ENE	.7	.7										1.4	3.5
E		1.4		.7								2.1	7.0
ESE		.7										.7	5.0
SE	.7	1.4										2.1	4.0
SSE	2.8	2.1	.7									5.7	4.0
S	6.4	6.4	5.7									18.4	5.0
SSW	2.8	2.8	7.1	2.1								14.9	6.7
SW	.7	2.8										3.5	4.6
WSW	.7	2.1	.7									3.5	4.8
W	2.8	3.5	.7	1.4								8.5	5.8
WNW	2.8		.7	.7								3.5	3.5
NW		1.4	1.4	.7								3.5	7.8
NNW	2.8	1.4	1.4									5.7	4.8
VARBL													
CALM												14.9	
	27.7	30.5	19.9	6.4	.7							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

FEB

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	1.4	.7								6.4	5.9
NNE	.7	2.1	1.4	.7								5.0	6.6
N E	.7	.7										1.4	4.0
ENE	1.4		1.4									2.8	4.8
E	1.4											1.4	2.0
ESE	1.4	1.4	.7									3.5	4.0
SE				.7								.7	13.0
SSE	.7		.7									1.4	5.0
S	2.8	3.5	.7									7.1	4.1
SSW	5.0	6.4	2.1	.7	.7							14.9	5.7
SW	3.5	5.0	2.1	.7								11.3	5.4
WSW	5.0	3.5		1.4								9.9	4.4
W	1.4	2.8	1.4									5.7	5.3
WNW				.7								.7	12.0
NW	2.1	.7		2.8								5.7	7.4
NNW	.7	1.4	1.4									3.5	5.6
VARB													
CALM												18.4	
	29.1	29.8	13.5	8.5	.7							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 93727 NEW RIVER, NORTH CAROLINA 73-77 FEB MONTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.5	3.1	1.0								8.6	6.5
NNE	.7	1.7	1.2	.4	.4							4.3	7.0
NE	1.0	1.1	1.1	.2								3.3	5.8
ENE	.7	.9	.2	.1								1.6	4.4
E	1.1	1.4	.3	.2								2.9	4.5
ESE	.5	.6	.2									1.3	4.0
SE	.6	.5	.6	.2								2.0	6.1
SSE	1.0	1.1	.6	.4								3.3	6.0
S	2.1	3.2	3.4	1.2	.4							10.3	7.0
SSW	2.0	2.0	2.5	1.3	.2	.1						8.1	7.0
SW	2.0	2.7	1.6	.6	.1							7.1	5.9
WSW	2.0	2.8	1.8	1.2	.1							8.0	6.5
W	1.3	3.0	2.6	1.1	.1							8.1	6.8
WNW	1.2	1.6	1.2	.7								4.6	6.2
NW	1.2	1.1	2.0	1.2	.1							5.4	7.6
NNW	1.6	1.7	2.1	.5								5.9	6.1
VARBL												15.2	
CALM												100.0	5.5
	21.0	27.7	24.5	10.3	1.2	.1							

TOTAL NUMBER OF OBSERVATIONS 1126

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

MAR

MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.2	.6	.6								5.8	6.1
NNE	1.9	1.3	1.3	.6								5.2	6.0
NE	1.9	1.9	.6									4.5	4.0
ENE	.6	1.9	1.3									3.9	5.7
E	1.3	2.6	.6	.6								5.2	5.5
ESE	1.3	1.9		.6								3.9	5.0
SE	.6		.6									1.3	4.5
SSE			1.3									1.3	8.0
S	2.6	1.3		1.3								5.2	5.9
SSW	1.9	2.6	4.5	.6								9.7	6.6
SW	2.6	3.2	1.9	1.3								9.0	5.7
WSW	1.9	4.5	.6	.6								7.7	5.3
W	1.9	5.2	1.9	1.3								10.3	5.9
WNW	.6	1.9	.6	.6								3.9	5.7
NW		1.3	1.3									2.6	7.5
NNW	.6	.6		.6								1.9	5.3
VARBL													
CALM												18.7	
	21.3	33.5	17.4	9.0								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

MAR

MONTH

ALL WEATHER
CLASS

04

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.9	2.6									9.7	4.9
NNE	1.9		.6									2.6	3.3
NE	1.9	1.9	1.9									5.8	5.0
ENE	2.6	2.6	.6									5.8	3.8
E	.6	1.3	.6	1.3								3.9	8.0
ESE		.6										.6	6.0
SE	.6			1.3								1.9	10.0
SSE		.6										.6	5.0
S	1.9	2.6	1.9									6.3	5.3
SSW	1.3	1.9	.6	1.3								5.2	6.6
SW	3.2	3.9	1.3	.6								9.0	4.7
WSW	1.9	4.3	1.3	.6								8.4	5.0
W	1.9	2.6	2.6									7.1	5.3
WNW	.6	1.3	1.9									3.9	6.2
NW	1.3	2.6		.6								4.3	4.9
NNW	1.9	.6	1.9	.6								5.2	6.0
VARBL													
CALM												19.4	
	25.2	31.0	18.1	6.5								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	9.0	2.6									15.5	5.0
NNE		1.9	1.9									3.9	6.3
NE	.6	1.9	1.9									3.9	5.2
ENE	1.9	1.9										3.2	3.0
E	3.2		.6									3.9	3.2
ESE	.6	.6										1.3	3.5
SE				1.3								1.3	12.5
SSE	.6	.6	1.9									3.2	6.4
S	.6	.6	2.6	.6								4.5	7.4
SSW	3.2	2.6	2.6	.6	.6							9.7	6.6
SW	1.9	4.5	.6									7.1	4.5
WSW	2.6	3.2	1.9									7.7	4.7
W	1.9	3.2	1.9									7.1	5.3
WNW			2.6	.6								3.2	9.4
NW	.6		.6									1.3	5.0
NNW	1.3	2.6	1.9									5.2	4.5
VARB													
CALM												18.1	
	23.2	32.3	22.6	3.2	.6							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEAR

MAR
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.3	2.6	2.6								9.7	6.9
NNE	1.9	5.2	2.6	.6								10.3	5.9
NE	2.6	.6	1.3	.6								5.2	5.1
ENE	1.3	2.6	.6									4.5	4.6
E	1.9	1.9	1.3									5.2	4.4
ESE	2.6	1.9										4.5	3.3
SE	.6	1.3	1.3									3.2	7.0
SSE		.6	.6	.6								1.3	12.0
S		.6	2.6	1.9								5.2	10.0
SSW		.6	.6	2.6	.6							4.5	11.6
SW	1.3	2.6	1.3	1.3	.6							7.1	8.5
WSW	.6	2.6	2.6	1.9								7.7	8.1
W	.6	1.3	5.2	1.9	.6							9.7	9.1
WNW	1.3		1.3	.6	1.3							4.5	10.1
NW	.6	1.3	4.5	1.3								7.7	8.4
NNW	.6	1.9	1.3	.6								4.5	7.3
VARBL													
CALM												5.2	
	19.4	25.8	29.7	16.8	3.2							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

13

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	3.2	1.3								5.8	8.4
NNE	.6	3.9	1.9	.6								7.1	6.5
NE	.6	2.6										3.2	4.8
ENE		1.9	3.2									5.2	6.5
E	1.3	3.2										4.3	3.7
ESE	1.3	3.2	1.3									5.8	5.0
SE	.6	3.2	2.6	.6								7.1	7.0
SSE		.6	2.6	1.9								5.2	9.5
S	.6		3.2	4.3	.6							9.0	10.8
SSW	.6		1.9	2.6								5.2	9.6
SW		1.3	1.3	2.6								5.2	10.8
WSW		1.9	1.3	1.9								5.2	9.5
W	.6	2.6	6.5	4.3	1.9							16.1	10.3
WNW	.6	.6	3.2			.6						5.2	9.6
NW		1.9	1.9	.6								4.3	7.6
NNW		1.3	3.2	.6								5.2	8.3
VARB													
CALM												.6	
	7.1	29.7	37.4	21.9	2.6	.6						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

MAR
MONTH

16
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	3.2									4.3	7.9
NNE	.6	2.6	2.6									3.8	6.2
NE		1.9										1.9	5.0
ENE		1.3	1.3									2.6	7.3
E	1.3	1.9	2.6									3.8	6.0
ESE	1.3	.6	1.9									3.9	6.0
SE	1.3	3.9	1.3	.6								7.1	5.9
SSE		3.2	2.6	1.3								7.1	7.3
S		1.9	10.3	4.3	.6							17.4	9.8
SSW	.6	1.9	1.9	3.2		.6						9.7	11.4
SW	.6	.6	1.9	3.2								6.3	10.4
WSW		.6	1.3		.6							2.6	10.3
W	1.3	3.9	2.6	4.3	.6							12.9	9.0
WNW	.6		2.6	1.3	.6							5.2	10.1
NW			1.3	.6								1.9	9.7
NNW	.6	1.3	2.6									4.3	7.1
VARIABLE													
CALM												.6	
	6.4	26.5	40.0	21.3	2.6	.6						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

MAR
MONTH

19
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.6	2.6									7.1	5.0
NNE	1.3	3.2	1.3									5.8	4.9
NE	.6	.6	.6									.6	7.0
ENE	.6	.6	.6									1.9	5.7
E	.6	.6	3.9									5.2	6.8
ESE	1.9	1.3	.6									3.9	4.2
SE	2.6	2.6										5.2	3.8
SSE	1.3	4.5	1.3									7.1	4.9
S	4.5	3.9	5.2	.6								14.2	5.5
SSW	1.9	3.2	10.3	.6								15.1	7.4
SW	1.9	2.6	.6	1.3								6.5	6.5
WSW	1.3	.6	2.6									4.5	7.0
W	.6	4.5	1.3	.6								7.1	6.0
WNW	.6	.6	.6	.6								2.6	7.8
NW	.6	.6	.6	.6								1.9	7.0
NNW	.6	1.3										1.9	4.5
VARB												8.4	
CALM												100.0	5.4
	22.6	32.3	32.3	4.5									

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

MAR

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9		.6		.6							3.2	6.6
NNE	.6	2.6	.6	.6								4.5	5.7
NE	1.9	1.3		.6								3.9	4.8
ENE	.6	1.9	.6	.6								3.9	7.0
E		1.9	1.9									3.9	6.5
ESE	2.6	1.9	1.3									5.8	4.7
SE	.6		.6									1.3	4.5
SSE	1.3	1.9	1.3									4.5	4.9
S	.6	1.9	3.9	1.3								7.7	7.3
SSW	1.9	4.5	1.9									8.4	5.2
SW	2.6	5.8	1.9									10.3	4.8
WSW	2.6	1.3	.6									4.5	3.9
W	1.3	2.6	1.9	.6								6.5	5.9
WNW		.6	1.3									1.9	8.0
NW	.6		1.3	1.3								3.2	9.8
NNW		2.6	1.3									3.9	5.8
VARB													
CALM												22.6	
	19.4	31.0	21.3	5.2	.6							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.7	2.3	.6	.1							7.7	6.0
NNE	1.1	2.6	1.6	.3								5.6	5.8
NE	1.2	1.5	.7	.2								3.6	4.9
ENE	1.0	1.8	1.0	.1								3.9	5.3
E	1.3	1.7	1.5	.2								4.7	5.5
ESE	1.5	1.5	.6	.1								3.7	4.7
SE	.9	1.4	.8	.3								3.5	6.4
SSE	.4	1.5	1.5	.5								3.8	6.8
S	1.4	1.6	3.7	1.9	.2							8.7	8.0
SSW	1.4	2.2	3.1	1.7	.2	.1						8.5	7.8
SW	1.8	3.1	1.4	1.3	.1							7.6	6.6
WSW	1.4	2.4	1.5	.6	.1							6.0	6.3
W	1.3	3.2	3.0	1.7	.4							9.6	7.7
WNW	.6	.5	1.8	.5	.2	.1						3.8	8.6
NW	.5	.9	1.5	.6								3.5	7.6
NNW	.7	1.5	1.5	.3								4.0	6.3
VARB												11.7	
CALM												100.0	5.9
	18.3	30.2	27.3	11.0	1.2	.2							

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

YEARS

APR

STATION NAME

ALL WEATHER
CLASS

MONTH

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.3	1.3								2.7	10.3
NNE	.7	1.3	1.3	.7								4.0	7.0
NE			.7									.7	8.0
ENE		1.3	1.3									2.7	6.3
E		1.3	.7									2.0	5.7
ESE	1.3	1.3										2.7	4.0
SE	.7											.7	3.0
SSE	.7	.7										2.0	6.0
S	2.7	2.0	2.0	1.3								8.0	6.4
SSW	2.0	3.3	4.7	.7								10.7	6.4
SW	2.7	3.3	2.0	1.3								9.3	5.7
WSW	4.0	5.3	3.3	.7								13.3	5.2
W	6.0	6.7	2.0									14.7	4.2
WNW	1.3	.7	2.0									4.0	3.8
NW	.7	1.3	.7									2.7	4.8
NNW	1.3		1.3									2.7	5.0
VARB													
CALM												17.3	
	24.0	28.7	23.3	6.7								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

APR
MONTH

STATION NAME

STATION NAME

YEARS

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	2.7									5.3	6.3
NNE	.7	1.3	2.0	.7								4.7	7.7
NIE	1.3	2.7	.7									4.7	4.6
ENE	.7											.7	1.0
E		.7	.7									1.3	7.0
ESE	.7	1.3										2.0	3.7
SE	.7	.7										1.3	4.0
SSE	.7	.7										2.0	7.0
S	.7	2.7	1.3	.7								5.3	6.0
SSW	2.7	3.3	2.7	.7								9.3	6.1
SW	3.3	2.7		.7								6.7	4.3
WSW	4.7	4.7	3.3	.7								13.3	5.1
W	5.3	6.7	1.3									13.3	4.1
WNW	.7	.7		.7								2.0	6.7
NW	.7	1.3	1.3									3.3	6.0
NNW	2.0	2.0	.7									4.7	3.7
VARBL													
CALM												20.0	
	25.3	33.3	16.7	4.7								100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

150

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME ROCK RIVER, NORTH CAROLINA YEARS 73-77 MONTH APR
CLASS ALL WEATHER HOURS (L.S.T.) 07

CONDITION

SPEED (KNOTS) DIRE	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.0	2.0	1.3								6.7	7.5
NNE	2.7	5.3	.7	.7								9.3	5.1
NE	.7	2.7										3.3	4.2
ENE	2.7	.7										3.3	3.0
E	.7	.7										1.3	4.0
ESE	.7	.7										1.3	4.0
SE													
SSE		.7		.7								1.3	10.5
S		2.0	.7	2.0								4.7	9.4
SSW	2.7	3.3	2.7	1.3								10.0	6.3
SW	1.3	2.7										4.0	4.3
WSW	3.3	2.7	3.3									9.3	5.1
W	4.0	6.0	2.0	2.0								14.0	5.9
WNW	1.3	2.7		.7								4.7	4.4
NW	2.0	2.0	1.3	1.3								6.7	6.4
NNW	1.3		.7									2.0	4.3
VARBL													
CALM												18.0	
	24.7	34.0	13.3	10.0								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

APR
MONTH

10
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.7	2.7	1.3	.7							8.0	8.3
NNE	.7	1.3	4.0									6.0	7.1
NE	.7	2.0	1.3	.7								4.7	6.3
ENE	.7	2.0	.7									3.3	5.0
E	1.3	4.0	1.3									6.7	4.8
ESE	.7	2.0										2.7	4.0
SE	2.0	.7	.7									3.3	4.0
SSE		1.3	.7	1.3								3.3	8.8
S	.7	3.3	1.3	2.0								7.3	7.3
SSW	.7		4.7	2.0	.7							8.0	10.2
SW	1.3	1.3	4.7		.7							8.0	8.3
WSW		1.3	4.0	1.3	.7							7.3	9.8
W	.7	3.3	3.3	2.7								10.0	8.7
WNW	.7	.7	2.7	2.0	.7							6.7	9.9
NW	.7	2.0	1.3	1.3								5.3	7.4
NNW		2.7	2.0	1.3								6.0	7.9
VAREL													
CALM												3.3	
	11.3	30.7	35.3	16.0	3.3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

13
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	5.3									8.0	7.1
NNE	.7	.7										1.3	3.0
NE		1.3	.7			.7						2.7	9.5
ENE		.7	.7									1.3	7.0
E		3.3	2.0									5.3	6.0
ESE	1.3	4.7	2.0									8.0	5.5
SE	.7	1.3	4.7									6.7	6.7
SSE		.7	4.0	.7								5.3	9.1
S		1.3	7.3	1.3								10.0	8.7
SSW		.7	2.0	1.3	2.0							6.0	13.7
SW	.7	.7	2.0	3.3	.7							6.7	9.8
WSW		1.3	3.3	2.7	.7							8.7	11.3
W	.7	5.3	4.7	4.0	.7		.7					15.3	9.1
WNW		2.0	.7	2.0								4.7	9.0
NW		.7	3.3	.7								4.7	9.0
NNW	.7	1.3	2.7									4.7	6.4
VARBL													
CALM												.7	
	6.0	27.3	45.3	16.0	3.3	.7	.7					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	3.3	2.7								8.7	8.6
NNE													
NE			.7									.7	10.0
ENE			.7									.7	8.0
E		2.7	3.3									6.0	6.2
ESE		1.3	.7									2.0	8.0
SE		1.3	5.3	.7								7.3	8.2
SSE		2.0	7.3									9.3	8.0
S		1.3	11.3	8.7								21.3	10.2
SSW		.7	5.3	4.7	.7							11.3	11.1
SW		1.3	2.0	2.0	.7							6.0	10.9
WSW		.7	2.7	.7								4.0	8.8
W		1.3	3.3	4.0		.7						9.3	11.8
WNNW		1.3	.7	2.7								4.7	10.4
NW	.7		3.3	1.3								5.3	8.9
NNW		1.3	.7	1.3								3.3	10.0
VARB													
CALM												.0	
	1.3	17.3	30.7	28.7	1.3	.7						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

APR

MONTH

19

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.7	2.0									6.7	5.3
NNE	.7		.7									1.3	5.0
NE	.7											.7	3.0
ENE													
E	1.3	1.3	.7	.7								4.0	6.0
ESE	2.0	.7	2.7									5.3	5.3
SE	.7	.7	1.3	.7								3.3	6.8
SSE	2.7	5.3	2.0	.7								10.7	5.1
S	4.0	9.3	5.3	.7								19.3	5.4
SSW	2.7	9.3	6.0									18.0	5.9
SW		2.7	4.0	1.3								8.0	8.1
WSW		2.0	1.3									3.3	6.4
W	1.3	4.0	.7		.7							6.7	6.4
WNW	1.3	2.7										4.0	4.3
NW	.7	.7	.7	1.3								3.3	8.0
NNW		1.3	1.3	.7								3.3	7.0
VARBL												2.0	
CALM													
	20.0	42.7	28.7	6.0	.7							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEAR

APR

MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7	.7								2.7	7.8
NNE	.7	.7	1.3									2.7	6.5
NE		.7	.7									1.3	6.5
ENE	.7	2.7	.7									4.0	4.8
E	.7	.7	2.7									4.0	7.5
ESE	2.0											2.0	2.7
SE	1.3	2.0	.7									4.0	4.2
SSE	2.7	1.3	.7	.7								5.3	5.3
S	2.0	5.3	.7	.7								8.7	4.9
SSW	4.7	4.7	5.3	.7								15.3	5.6
SW	3.3	6.7	3.3									13.3	5.2
WSW	2.0	4.7	1.3									8.0	5.0
W	2.0	6.7	2.0	1.3								12.0	5.8
WNW			.7	.7								1.3	9.5
NW		1.3										1.3	4.5
NNW		1.3	.7									2.0	6.0
VARBL													
CALA												12.0	
	22.7	39.3	21.3	4.7								100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93727

STATION NAME
NEW RIVER, NORTH CAROLINA

YEARS
73-77

APR

MONTH

ALL WEATHER
CLASS

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	2.5	.9	.1							6.1	7.5
NNE	.8	1.3	1.2	.2								3.7	6.2
NE	.4	1.2	.6	.1		.1						2.3	6.0
ENE	.6	.9	.3									2.0	4.9
E	.5	1.8	1.4	.1								3.8	5.9
ESE	1.1	1.5	.7									3.2	4.7
SE	.7	.8	1.6	.2								3.3	6.2
SSE	.8	1.6	1.8	.7								4.9	7.0
S	1.2	3.4	3.7	2.2								10.6	7.5
SSW	1.9	3.2	4.2	1.4	.4							11.1	7.5
SW	1.6	2.7	2.2	1.1	.2							7.7	7.0
WSW	1.7	2.8	2.8	.7	.2		.1					8.4	6.7
W	2.5	5.0	2.4	1.7	.2	.1						11.9	6.8
WNW	.7	1.3	.8	1.1	.1							4.0	7.8
NW	.7	1.2	1.5	.7								4.1	7.2
NNW	.7	1.2	1.2	.4								3.6	6.5
VARBL												9.2	
CALM												100.0	6.2
	16.9	31.7	29.3	11.6	1.1	.2	.1						

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.6										3.9	4.3
NNE	3.2	1.9	.6									5.8	3.4
NE	1.3	1.3	.6									3.2	4.6
ENE	2.6	1.3		.6								4.5	4.6
E		2.6	1.3									3.9	6.5
ESE			1.3		.6							1.9	11.0
SE		.6	1.3									1.9	6.3
SSE	1.9	1.3										3.2	3.0
S	1.3	1.9	.6									3.9	4.8
SSW	5.2	1.9	1.9									9.0	4.2
SW	3.9	3.9	3.9									11.6	4.9
WSW	8.4	3.9	1.9									14.2	3.7
W	3.2	3.2	.6									6.5	3.4
WNW		.6	.6									1.3	5.5
NW	.6	.6		.6								1.9	7.0
NNW	2.6	1.3										3.9	3.3
VARBL													
CALM												19.4	
	35.5	29.0	14.2	1.3	.6							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

YEAR

MAY

STATION

STATION NAME

ALL WEATHER

YEAR

MONTH

CLASS

ALL WEATHER

YEAR

MONTH

HOURS (L.S.T.)

04

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.9	1.9									9.1	4.9
NNE	1.3	3.2	1.3									5.8	5.4
NE	.6	2.6	.6									3.9	4.3
ENE	.6	1.9	.6									3.2	4.6
E		1.9		.6								2.6	7.0
ESE		.6	1.3									1.9	6.7
SE		.6	1.3									1.9	7.7
SSE													
S	1.9	1.3	.6									3.9	4.7
SSW	2.6	.6	1.9									5.2	4.8
SW	3.8	3.2	3.2									12.3	4.7
WSW	4.5	3.9	.6									9.1	3.6
W	2.6	4.5	1.3									8.4	4.8
WNW		1.3	.6	.6								2.6	6.8
NW	.6	1.3										1.9	3.7
NNW	1.3	2.6										3.9	3.8
VARBL													
CALM												24.0	
	25.3	33.8	15.6	1.3								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

154

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	5.2	.6									8.4	4.5
NNE	3.9	1.9	2.6									8.4	5.0
NE	1.3	1.3	1.3	.6								4.5	6.4
ENE	.6	2.6		.6								3.9	6.2
E		3.2	.6	.6								4.5	6.9
ESE		.6	.6									1.3	5.5
SE	.6	.6										1.3	3.5
SSE													
S	1.3	1.3	1.3	1.3								5.2	7.0
SSW	1.9	3.2	2.6									7.7	5.2
SW	2.6	1.9	1.9									6.5	4.3
WSW	1.3	3.2	1.9									6.5	5.4
W	5.2	2.6	6.5									14.2	5.6
WNW	2.6	.6	1.9									5.2	4.9
NW	1.3	1.3	1.3									3.9	4.7
NNW	1.9	2.6	1.3									5.8	4.8
VARBL													
CALM												12.9	
	27.1	32.3	24.5	3.2								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93727

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

MAY
MONTH

10
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.9	2.6	1.3								11.0	5.9
NNE	.6	3.2	.6									4.3	4.9
NE	.6	1.3	.6	1.9								4.3	8.4
ENE	.6	1.9	1.3									3.9	5.7
E	1.3	3.2	2.6									7.1	5.3
ESE	2.6	3.2	1.3									7.1	4.3
SE	.6	1.3										1.9	4.0
SSE		1.9	1.3	1.3								4.3	7.7
S	1.9	1.3	2.6	1.9								7.7	7.7
SSW	.6	1.3	.6	.6								3.2	6.6
SW		1.9	4.3	.6								7.1	8.0
WSW	2.6	2.6	3.9	1.3								10.3	6.7
W	.6	2.6	3.2	.6								9.0	7.3
WNW	.6	1.9	1.3	.6								4.3	7.1
NW	1.9	2.6	1.3	.6								6.3	5.8
NNW	.6	1.3	3.2									5.2	6.3
VARBL													
CALM												1.9	
	18.7	35.5	32.9	11.0								100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93727

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

MAY

MONTH

ALL WEATHER
CLASS

13

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.6	4.3									9.7	5.9
NNE	.6	3.2	1.9	.6								6.5	6.7
NE	.6	1.3	1.3									3.2	5.2
ENE		1.3	.6									1.9	6.0
E	1.3	3.2	1.3									5.8	4.8
ESE	1.3	2.6	3.2									7.1	6.1
SE	1.3	3.9	2.6	1.3								9.0	6.7
SSE	.6	1.9	4.3	1.9								9.0	8.1
S		.6	5.8	1.9	.6							9.0	9.6
SSW	1.3	1.3	1.9	3.9								8.4	8.8
SW	1.9	1.3	1.9	.6								5.8	7.0
WSW		1.3	4.3									5.8	8.6
W		3.2	3.2									6.5	7.5
WNW		.6	4.3	1.9								7.1	9.3
NW		2.6	.6									3.2	6.4
NNW		1.3										1.3	5.0
VARBL													
CALM												.6	
	11.6	32.3	42.6	12.3	.6							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

YEARS

MAY

MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.9	1.9									5.2	5.9
NNE		1.3	.6									1.9	7.3
NE	.6	1.9	1.3									3.9	5.3
ENE		.6	.6									1.3	6.5
E	.6	3.9	3.2									7.7	5.9
ESE		1.9	2.6									4.3	6.9
SE	.6		4.3									5.2	7.4
SSE	.6	1.9	9.7	1.3								13.3	8.0
S	.6	5.8	4.3	5.8								16.8	8.6
SSW		1.3	8.4	3.2								12.9	9.4
SW	.6	.6	1.3	.6								3.2	7.6
WSW	.6	1.3	1.3	1.3								4.3	8.3
W	.6	4.3	2.6	.6								8.4	6.6
WNW	.6		1.9	.6								3.2	8.0
NW		1.3	2.6									3.9	7.7
NNW		.6	1.9									2.6	7.0
VARB													
CALM												1.3	
	7.1	29.0	49.0	13.5								100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

YEARS

MAY

STATION NAME

ALL WEATHER
CLASS

YEARS

MONTH

19

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9										2.6	4.0
NNE	1.9	1.9	1.3									5.2	4.6
NE	.6	.6										1.3	3.5
ENE	1.3	1.3	1.3									3.9	5.2
E	.6	1.3	1.3	.6								3.9	6.5
ESE	2.6	1.3	1.9									5.8	4.6
SE	.6	3.2	1.9	.6								6.5	7.0
SSE	2.6	3.2	2.6									8.4	4.8
S	3.2	8.4	4.5	.6								16.8	5.4
SSW	2.6	9.7	4.5									16.8	5.5
SW	.6	5.2	5.2									11.0	6.4
WSW	.6	3.2				.6						4.5	7.1
W	1.9		.6									2.6	4.5
WNW		.6	.6									1.3	6.5
NW	.6	1.3										1.9	4.0
NNW	1.3	1.9										3.2	4.6
VARB													
CALM												4.5	
	21.9	45.2	25.8	1.9		.6						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

AD-A060 993 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) NEW RIVE--ETC(U)
JUL 78

AD-A060 993 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) NEW RIVE--ETC(U)
JUL 78

AD-A060 993 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) NEW RIVE--ETC(U)
JUL 78

AD-A060 993 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) NEW RIVE--ETC(U)
JUL 78

AD-A060 993 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) NEW RIVE--ETC(U)
JUL 78

AD-A060 993 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NC F/G 4/2
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) NEW RIVE--ETC(U)
JUL 78

2 OF 4

AD
AO60993

 Springer

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

MAY

STATION NAME

YEARS

MONTH

STATION

ALL WEATHER

22

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	1.3									2.6	6.5
NNE	4.5	1.9	.6									7.1	3.3
NE	1.3	.6	.6									2.6	4.5
ENE	1.3	2.6										3.9	4.2
E	.6	1.9	1.3									3.9	6.0
ESE	.6	.6	1.9									3.2	6.4
SE		1.3	2.6	.6								4.5	7.9
SSE	.6	.6		.6								1.9	6.3
S	5.8	1.9	1.3									9.0	3.6
SSW	5.2	4.5	1.3	.6								11.6	4.9
SW	9.7	5.2	2.6	.6								18.1	4.4
WSW	3.2	3.2	2.6									9.0	4.9
W	.6	1.9	1.3									3.9	5.7
WNW	1.3											1.3	1.5
NW	1.3			.6								1.9	6.0
NNW		1.3										1.3	4.0
VARBL													
CALM												14.2	
	36.8	28.4	17.4	3.2								100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

MAY

STATION

STATION NAME

YEARS

MONTH

ALL

ALL WEATHER

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.8	1.6	.2								6.3	5.3
NNE	2.0	2.3	1.2	.1								5.6	4.9
NE	.9	1.4	.8	.3								3.4	5.6
ENE	.9	1.7	.6	.2								3.3	5.2
E	.6	2.7	1.5	.2								4.9	6.0
ESE	.9	1.4	1.8		.1							4.1	5.9
SE	.5	1.5	1.8	.3								4.0	6.8
SSE	.8	1.4	2.3	.6								5.1	6.9
S	2.0	2.8	2.7	1.5	.1							9.0	6.7
SSW	2.4	3.0	2.9	1.0								9.4	6.3
SW	3.1	2.9	3.1	.3								9.4	5.5
WSW	2.7	2.8	2.1	.3		.1						8.0	5.5
W	1.9	2.8	2.6	.2								7.4	5.8
WNW	.6	.7	1.5	.5								3.3	7.0
NW	.8	1.4	.7	.2								3.1	5.8
NNW	1.0	1.6	.8									3.4	4.9
VARB													
CALM												9.8	
	23.0	33.2	27.8	6.0	.2	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

1239

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

JUN

STATION NAME

YEARS

NORTH

ALL WEATHER

01

HOURS (L.S.T.)

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	.7									4.7	3.7
NNE	3.3	2.0	.7	.7								6.7	4.9
NE	.7	.7	.7									2.0	3.0
ENE	2.0	1.3	1.3									4.7	4.6
E	.7	.7										1.3	4.0
ESE	2.0	2.0										4.0	3.5
SE	1.3	.7										2.0	2.7
SSE			.7									.7	7.0
S	3.3	2.0										5.3	3.3
SSW	2.0	3.3	1.3									6.7	4.7
SW	6.7	6.0	2.0									14.7	4.3
WSW	3.3	4.7	.7	.7								9.3	4.4
W	4.7	1.3	2.0									8.0	4.3
WNW	2.0	.7	.7									3.3	3.6
NW													
NNW	.7	1.3										2.0	4.3
VARBL													
CALM												24.7	
	34.7	28.7	10.7	1.3								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

YEAR

JUN
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	3.3										6.7	3.8
NNE	1.3		2.7									4.0	5.7
NE	2.0	3.3	.7									6.0	4.7
ENE	2.0		.7									2.7	4.5
E	1.3	1.3	.7									3.3	4.6
ESE		.7										.7	6.0
SE		.7										.7	4.0
SSE	.7		.7									1.3	5.0
S	2.0	.7										2.7	2.8
SSW	4.0	4.0	2.0									10.0	4.4
SW	3.3	3.3	1.3									10.0	4.2
WSW	6.0	2.7										8.7	3.2
W	4.0	4.0	.7									8.7	3.8
WNW	2.0	.7										2.7	2.8
NW	2.0	.7										2.7	3.0
NNW	1.3	.7	.7									2.7	4.8
VARB													
CALM												26.7	
	35.3	28.0	10.0									100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

JUN

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	3.3	.7									8.0	3.8
NNE	2.7	4.0	2.0	.7								9.3	5.3
NE	3.3	2.0	.7									6.0	3.6
ENE	1.3	3.3	1.3									6.0	3.0
E	.7	1.3		.7								2.7	3.3
ESE	1.3	.7										2.0	2.7
SE	.7	.7	.7									2.0	4.7
SSE	1.3		.7									2.0	3.7
S	1.3		.7									2.0	4.3
SSW	.7	2.7	2.7									6.0	3.6
SW	2.0	4.0	.7									6.7	4.7
WSW	3.3	2.7	3.3									9.3	3.1
W	3.3	7.3	4.0									14.7	4.9
WNW	2.7	2.0										4.7	3.1
NW	1.3	1.3	.7									3.3	4.0
NNW		2.7										2.7	3.0
VARB													
CALM												12.7	
	30.0	38.0	18.0	1.3								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

JUN

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.0	2.7									4.7	6.4
NNE	1.3	2.7										4.0	4.2
NE	.7	1.3	2.7	.7								5.3	7.3
ENE	2.0	4.7	2.0									8.7	5.2
E	5.3	4.0	4.0	.7								14.0	5.0
ESE	3.3	2.7		.7								6.7	4.3
SE	1.3	2.0	.7									4.0	4.5
SSE	.7	1.3	.7									2.7	4.0
S		1.3	1.3	.7								3.3	7.2
SSW	1.3	1.3	2.7	.7								6.0	6.9
SW	.7	2.7	2.7	.7								6.7	7.0
WSW	.7	4.0	4.0									8.7	6.5
W	2.7	5.3	2.7	.7								11.3	5.4
WNW	.7	2.0	.7									3.3	5.4
NW	.7	.7	1.3									2.7	5.5
NNW	3.3	1.3	1.3									6.0	4.3
VARB													
CALM												2.0	
	24.7	39.3	29.3	4.7								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93727

NEW RIVER, NORTH CAROLINA

73-77

YEARS

JUN

STATION NAME

73-77

YEARS

JUN

STATION

STATION NAME

73-77

YEARS

JUN

ALL WEATHER

CLASS

MONTH

13

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.3	.7									4.7	4.7
NNE	.7	3.3	.7									4.7	5.1
NE													
ENE	1.3	3.3	2.0	1.3	.7							8.7	7.8
E	1.3	3.3	2.0	1.3								8.0	5.9
ESE	2.0	3.3		.7								6.0	4.8
SE	.7	3.3	2.0									6.0	5.8
SSE	.7	4.7	3.3	1.3	.7							10.7	7.6
S		4.0	7.3	3.3								14.7	8.5
SSW	.7	2.7	2.7									6.0	5.8
SW		2.0	1.3	1.3								4.7	8.3
WSW		1.3	.7	1.3								3.3	8.0
W	2.0	4.0	4.0	2.0								12.0	7.1
WNW	.7	1.3	.7									2.7	5.3
NW	.7	2.7										3.3	4.8
NNW		1.3	1.3									2.7	6.0
VARB													
CALM												2.0	
	11.3	44.0	28.7	12.7	1.3							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

JUN

STATION NAME

YEARS

NORTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7										.7	4.0
NNE		2.0	1.3									3.3	7.0
NE		.7	1.3	1.3								3.3	8.8
ENE		2.0	.7	.7								3.3	7.6
E	.7	2.0	3.3									6.0	6.7
ESE	.7	2.0		.7								3.3	6.0
SE	.7	2.0	1.3									4.0	5.7
SSE		6.0	4.7									10.7	6.6
S	.7	7.3	12.7	.7								21.3	7.4
SSW		4.7	6.7	3.3								14.7	8.3
SW	1.3	1.3	2.7	2.7								8.0	8.1
WSW	.7	1.3	1.3									3.3	6.2
W	1.3	.7	2.7	1.3								6.0	7.7
WNW		2.0	.7									2.7	6.8
NW		1.3	2.7	.7								4.7	7.9
NNW	2.0		.7	.7								3.3	5.4
VARBL													
CALM												1.3	
	8.0	36.0	42.7	12.0								100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

JUN

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

HOURS (L.S.T.)

19

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	.7									4.7	4.0
NNE	.7	1.3	1.3									3.3	6.2
NE	1.3	.7	1.3									3.3	4.6
ENE	.7	1.3	.7	.7								3.3	6.6
E	.7	1.3	1.3	.7								4.0	7.0
ESE	1.3	1.3	3.3	.7								6.7	6.9
SE	1.3	1.3	1.3									4.0	5.2
SSE	1.3	1.3	1.3									4.0	4.5
S	7.3	8.7	4.0									20.0	4.6
SSW	6.7	8.7	4.7	.7								20.0	4.7
SW	2.0	2.7	3.3									8.7	6.5
WSW	.7		.7									1.3	5.5
W	2.0	1.3	.7									4.0	3.5
WNW		1.3										1.3	5.0
NW			.7									.7	7.0
NNW			.7									.7	10.0
VARBL													
CALM												10.0	
	28.0	33.3	26.0	2.7								100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

JUN
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	.7	.7									3.3	3.8
NNE	1.3		2.0	.7								4.0	6.8
NE	2.7	3.3										6.0	3.7
ENE	1.3		.7	.7								2.7	7.0
E	1.3	3.3	1.3									6.0	5.1
ESE	.7	.7										1.3	4.5
SE		1.3	.7									2.0	6.0
SSE													
S	5.3	2.0										7.3	3.1
SSW	8.0	6.7	3.3									18.0	4.1
SW	8.0	6.7	2.0									16.7	3.7
WSW	4.0	3.3	.7									8.0	3.4
W	2.0	1.3										3.3	3.8
WNW	.7											.7	2.0
NW													
NNW	.7		.7									1.3	5.0
VARBL													
CALM												19.3	
	38.0	29.3	12.0	1.3								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

JUN

MONTH

ALL WEATHER

ALL

HOURE (L.E.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	2.2	.7									4.7	4.3
NNE	1.4	1.9	1.3	.2								4.9	5.6
NE	1.3	1.5	.9	.2								4.0	5.1
ENE	1.3	2.0	1.2	.4	.1							5.0	6.1
E	1.5	2.2	1.6	.4								5.7	5.5
ESE	1.4	1.7	.4	.3								3.8	5.0
SE	.7	1.5	.8									3.1	5.1
SSE	.6	1.7	1.5	.2	.1							4.0	6.2
S	2.5	3.2	3.2	.6								9.6	5.9
SSW	2.9	4.2	3.2	.5								10.9	5.3
SW	3.0	3.8	2.0	.7								9.5	5.3
WSW	2.3	2.5	1.4	.2								6.5	4.9
W	2.7	3.2	2.1	.5								8.5	5.3
WNW	1.1	1.2	.3									2.7	4.3
NW	.6	.8	.7	.1								2.2	5.4
NNW	1.0	.9	.7	.1								2.7	5.1
VARBL													
CALM												12.3	
	26.2	34.6	22.2	4.5	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 93727 NEW RIVER, NORTH CAROLINA 73-77 JUL MONTH
CLASS ALL WEATHER 01 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9											1.9	2.7
NNE	1.9	.6										2.6	2.3
NE	1.9											1.9	2.3
ENE		1.9										1.9	4.3
E	1.3	.6										1.9	3.7
ESE	.6	.6										1.3	4.0
SE													
SSE	3.2											3.2	2.4
S	4.3	1.3										5.8	2.7
SSW	2.6	3.9	.6									7.1	4.0
SW	7.7	3.9										11.6	3.1
WSW	5.8	6.3	1.3									13.9	4.3
W	4.3	1.3										5.8	3.1
WNW	.6	.6										1.3	4.0
NW													
NNW	1.3		.6									1.9	4.0
VARBL													
CALM												38.1	
	38.1	21.3	2.6									100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

JUL

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9										3.9	3.3
NNE	2.6	.6	.6									3.9	3.3
NE	.6	.6										1.3	3.3
ENE		.6										.6	4.0
E		1.9	.6									2.6	3.3
ESE		1.3										1.3	4.3
SE													
SSE	.6											.6	2.0
S	1.9											1.9	2.0
SSW	2.6	1.9										4.3	3.4
SW	3.2	3.9										7.1	3.3
WSW	3.2	7.1	.6									11.0	3.9
W	2.6	7.1										9.7	3.9
WNW	.6	.6										1.3	2.3
NW	1.9											1.9	2.0
NNW	2.6	1.9										4.3	3.0
VARB													
CALM												43.9	
	24.5	29.7	1.9									100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93727

NEW RIVER, NORTH CAROLINA

73-77

JUL

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

07

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.9	.6									7.7	3.9
NNE	1.3	1.3										2.6	4.3
NE	4.5	1.9	1.3									7.7	3.4
ENE	.6											.6	3.0
E	.6	1.3	.6									2.6	4.8
ESE	.6	.6										1.3	3.0
SE	1.3	.6										1.9	3.0
SSE	1.3											1.3	2.5
S	1.9											1.9	2.7
SSW	1.9	1.3	.6									3.9	4.0
SW	4.5	1.9										6.3	3.2
WSW	4.5	6.5	4.5									15.5	4.8
W	5.2	7.1	1.9									14.2	4.4
WNW	1.9	1.3										3.2	3.4
NW	1.3											1.3	2.5
NNW	2.6											2.6	2.5
VARBL													
CALM												25.2	
	37.4	27.7	9.7									100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

JUL

STATION

STATION NAME

YEARS

MONTH

CLASS

ALL WEATHER

HOURS (L.S.T.)

10

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	2.6	2.6									7.7	4.8
NNE	.6	3.2	1.3									5.2	5.1
NE	.6	1.9										2.6	3.8
ENE	1.3	3.2	.6									5.2	5.0
E	1.9	6.5	.6									9.0	4.4
ESE	4.5	.6										5.2	2.8
SE	1.3	1.3										2.6	3.8
SSE	1.3	1.9	.6									3.9	4.2
S	1.9	1.9	1.9									5.2	4.9
SSW	1.9	1.9	.6									4.5	4.3
SW	2.6	2.6										5.2	3.4
WSW	2.6	3.9	3.2	.6								10.3	5.8
W	4.5	7.7	3.9									16.1	5.0
WNW	1.3	3.2	1.3									5.8	4.6
NW	2.6	.6	.6									3.2	3.4
NNW	1.3	1.3	.6									3.2	4.6
VARB													
CALM												5.2	
	32.3	43.9	18.1	.6								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

JUL
MONTH

13
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.2	.6									4.3	4.9
NNE	.6	1.3	1.3									3.2	6.2
NE	.6	1.3										1.9	3.7
ENE	1.3	1.9	.6									3.9	5.0
E	1.9	3.2	.6									5.8	4.4
ESE	3.2	1.9	1.3									6.3	4.2
SE	2.6	2.6										5.2	3.8
SSE	3.2	5.2	5.2									13.5	5.3
S	2.6	4.5	7.7									14.8	6.0
SSW	1.9	.6	3.9	.6								7.1	6.6
SW	.6	2.6	2.6									5.8	6.9
WSW	2.6	3.9	1.9	1.3								9.7	5.8
W		3.2	3.9	.6								7.7	7.7
WNW	1.9	.6	1.9									4.3	4.6
NW													
NNW	.6											.6	3.0
VARBL													
CALM												5.2	
	24.5	36.1	31.6	2.6								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

JUL

MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	5.2										5.3	4.4
NNE		1.3	.6									1.9	6.7
NE		1.3										1.3	4.3
ENE		.6	.6									1.3	5.3
E	1.3	2.6	.6									4.3	4.4
ESE	.6	1.9										2.6	4.3
SE		5.2	1.9									7.1	5.7
SSE		3.9	5.8									9.7	6.7
S	2.6	11.0	16.1	.6								30.3	6.6
SSW	4.3	5.8	6.3									16.8	5.3
SW		1.9	1.3									3.2	5.4
WSW	1.3	1.9	1.3	.6								5.2	6.4
W	.6	2.6	.6	.6								4.3	6.0
WNV		.6	1.3									1.9	8.0
NW		.6										.6	5.0
NNW	.6											.6	2.0
VARB													
CALM												2.6	
	12.3	46.5	36.8	1.9								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

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NEW RIVER, NORTH CAROLINA

73-77

JUL

STATION

STATION NAME

YEAR

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ALL WEATHER

CLASS

19

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.3										3.2	3.6
NNE	.6	.6										1.3	4.0
NE	1.3	1.9										3.2	3.8
ENE	.6	3.2										3.9	4.3
E	1.3	1.3										2.6	4.3
ESE		1.3										1.3	5.0
SE	1.3		.6									1.9	4.7
SSE	3.9	1.9	1.3									7.1	4.1
S	11.6	12.3	2.6									26.5	4.3
SSW	7.1	10.3	.6									18.1	4.0
SW	2.6	5.2	1.3									9.0	4.3
WSW	.6	2.6	2.6									5.8	6.1
W	.6	2.6										3.2	4.2
WNW		.6	.6									1.3	6.0
NW	.6	.6										1.3	3.3
NNW													
VARBL													
CALM												10.3	
	34.2	45.6	9.7									100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

JUL

MONTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.6										.6	4.0
NE	1.3	1.3										2.6	3.3
ENE	2.6	.6										3.2	2.8
E	1.3	2.6	1.3									5.2	3.0
ESE	1.9	1.3										3.2	3.4
SE	1.9		.6									2.6	4.0
SSE	1.9	.6										2.6	3.3
S	7.7	3.2										11.0	2.8
SSW	6.4	3.9										12.3	3.2
SW	9.7	5.2										14.8	3.0
WSW	5.8	4.5	1.3									11.6	3.8
W	1.9	2.6										4.3	3.6
WNW													
NW			.6									.6	10.0
NNW		.6										.6	3.0
VARBL													
CALM												24.5	
	44.5	27.1	3.9									100.0	2.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

JUL

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.3	.5									4.4	4.1
NNE	1.0	1.2	.5									2.7	4.5
NE	1.4	1.3	.2									2.8	3.5
ENE	.8	1.5	.2									2.6	4.4
E	1.2	2.5	.6									4.3	4.5
ESE	1.5	1.2	.2									2.8	3.8
SE	1.0	1.2	.4									2.7	4.5
SSE	1.9	1.7	1.6									5.2	4.9
S	4.3	4.3	3.5	.1								12.2	5.0
SSW	3.9	3.7	1.6	.1								9.3	4.4
SW	3.9	3.4	.6									7.9	3.8
WSW	3.3	4.6	2.1	.3								10.3	4.9
W	2.5	4.3	1.3	.2								8.2	4.8
WNW	.8	1.0	.6									2.4	4.6
NW	.8	.2	.2									1.1	3.6
NNW	1.1	.5	.2									1.8	3.5
VABBL													
CALM												19.4	
	31.0	34.8	14.3	.6								100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

AUG
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	1.3										3.9	3.2
NNE	2.0	3.9										7.1	4.0
NE	1.9		.6									2.6	3.3
ENE	1.3											1.3	3.0
E	1.9	.6										2.6	3.0
ESE	.6		.6									1.3	3.3
SE	.6											.6	2.0
SSE													
S	4.3	1.3										5.8	2.7
SSW	3.2	1.3										4.5	3.1
SW	5.8	5.2	.6									11.6	4.0
WSW	2.6	4.5										7.1	4.2
W	4.3	2.6										7.1	3.2
WNW	1.3											1.3	1.0
NW		.6										.6	4.0
NNW		.6										.6	3.0
VARBL													
CALM												41.9	
	33.5	21.9	2.6									100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

AUG

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.8	3.2	1.3									10.3	3.6
NNE	3.2	2.6										5.8	3.2
NE	1.9	.6	.6									3.2	4.0
ENE	2.6	.6										3.2	3.0
E		.6		.6								1.3	8.0
ESE													
SE		.6										.6	4.0
SSE	.6	.6										1.3	3.5
S	.6	.6										1.3	2.5
SSW	2.6											2.6	2.0
SW	4.5	2.6										7.1	3.4
WSW	9.0	3.9										12.9	3.2
W	5.2	3.2										8.4	3.1
WNW		.6										.6	6.0
NW	.6	.6										1.3	3.5
NNW	1.3	1.3										2.6	3.5
VARBL													
CALM												37.4	
	38.1	21.9	1.9	.6								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.5	5.2	.6									10.3	4.0
NNE	3.2	3.2	.6									7.1	4.2
NE	5.2	1.3	.6									7.1	3.2
ENE	3.2	1.3										4.5	3.0
E	.6											.6	2.0
ESE													
SE													
SSE		.6										.6	3.0
S	1.9	1.3										3.2	3.0
SSW	1.9	1.3										3.2	3.0
SW	2.6	2.6	.6									5.8	4.0
WSW	2.6	3.9	1.3									7.7	4.6
W	4.5	5.8	1.3									11.6	4.2
WNW	1.3	1.3										2.6	3.5
NW	3.2											3.2	1.8
NNW	.6	1.9	1.3									3.9	5.3
VARBL												28.4	
CALM												100.0	2.7
	35.5	29.7	6.5										

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

AUG
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.2	1.9									7.1	4.7
NNE	1.3	2.6	1.3									5.2	4.8
NE	1.3	3.2	3.2									7.7	5.9
ENE	3.9	1.9	1.3									7.1	4.5
E	5.2	3.2	.6									9.0	4.0
ESE	.6	1.9										2.6	4.3
SE	2.6											2.6	2.8
SSE	.6	.6	1.3	.6								3.2	7.0
S	1.3	1.3		.6								3.2	4.8
SSW	1.9	1.9										3.9	3.0
SW	1.9	1.9	3.2									7.1	5.9
WSW	.6	7.1	1.3									9.0	5.1
W	5.2	9.0	2.6									16.8	4.6
WNW		.6										.6	5.0
NW		1.3	.6									1.9	6.7
NNW	.6	1.3	.6									2.6	5.0
VARBL													
CALM												10.3	
	29.0	41.3	18.1	1.3								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

13

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.3	.6									6.3	4.7
NNE	.6	1.9	1.9									4.3	3.4
NE	.6	1.9	.6	.6								3.9	6.2
ENE	1.9	2.6	2.6									7.1	5.5
E	3.9	4.3	.6									9.0	4.4
ESE		3.9	.6									4.3	5.4
SE	.6	7.7	.6									9.0	4.6
SSE	2.6	3.2	.6									6.3	4.8
S	2.6	3.2	3.9									9.7	5.6
SSW	1.3	3.9	3.2									8.4	5.3
SW	1.9	1.9	1.3									5.2	5.4
WSW	1.3	4.3	.6	.6								7.1	5.3
W	1.9	5.8	1.3	.6								9.7	5.3
WNW	1.3	1.3										2.6	4.3
NW	.6	.6										1.3	3.3
NNW	.6	1.3	.6									2.6	3.0
VARB													
CALM												2.6	
	23.2	52.9	19.4	1.9								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEAR

AUG
MONTH

ALL WEATHER
CLASS

16
HOUR (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.0	.6									3.9	5.2
NNE		1.3	1.3									2.6	6.3
NE	.6	2.0	1.3	.6								5.2	6.1
ENE	2.6	.6	.6									3.9	4.3
E	.6	3.2	1.3									5.2	5.6
ESE	4.3	2.6	.6									7.7	3.9
SE	1.3	6.3	.6									8.4	4.8
SSE	1.3	1.3	1.3	.6								4.3	6.0
S	1.9	11.0	13.5	1.9								28.4	6.8
SSW	.6	5.2	2.6	1.3								9.7	6.7
SW		2.6	1.9									4.3	6.3
WSW	1.3		2.6	.6								4.3	7.3
W	.6	1.9	.6									3.2	5.0
WNW		1.3										1.3	5.0
NW	.6		.6									1.3	5.3
NNW		.6	.6									1.3	6.0
VARB													
CALM												4.3	
	16.8	43.2	30.3	5.2								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION
93727

NEW RIVER, NORTH CAROLINA

73-77

YEARS

AUG

MONTH

ALL WEATHER

CLASS

19

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3										2.6	3.8
NNE	1.3	1.3										3.2	3.8
NE	.6	1.3	1.3									3.2	3.2
ENE	1.3	3.9	.6									5.8	4.6
E	.6	.6	.6									1.9	3.0
ESE	.6	1.9										2.6	4.3
SE	1.3	2.6										3.9	3.8
SSE	3.2	3.2										6.3	3.4
S	14.8	8.4	.6									23.9	3.4
SSW	7.1	9.7	1.3									18.1	4.1
SW	3.9	4.5	.6									9.0	3.9
WSW	1.3	.6	.6									2.6	4.3
W	1.3		.6									1.9	4.0
WNNW												.6	4.0
NW		.6											
NNW													
VARBL													
CALM												14.2	
	38.7	40.6	6.5									100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

AUG
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3										2.6	3.0
NNE	2.6	1.9										4.3	3.9
NE	1.9	1.3	.6									3.9	4.0
NNE	2.6	1.9										4.3	3.0
E	3.2	3.2	.6									7.1	4.0
ESE	2.6	.6	.6									3.9	3.8
SE		.6										.6	3.0
SSE	1.9											1.9	3.0
S	3.9	1.3										7.1	2.6
SSW	3.9	1.3	.6									5.8	2.9
SW	7.7	9.0	1.3									18.1	3.8
WSW	3.2	3.9	.6									7.7	3.7
W	3.2	2.6	.6									6.3	3.6
WNW		.6										.6	3.0
NW												.6	2.0
NNW	.6												
VARBL												24.3	
CALM												100.0	2.7
	40.6	29.7	3.2										

TOTAL NUMBER OF OBSERVATIONS

159

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

AUG

MONTH

ALL WEATHER

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	2.8	.6									5.9	4.1
NNE	1.9	2.4	.7									5.0	4.3
NE	1.8	1.5	1.1	.2								4.6	4.8
ENE	2.4	1.6	.6									4.7	4.1
E	2.0	2.0	.5	.1								4.6	4.4
ESE	1.1	1.4	.3									2.8	4.4
SE	.8	2.3	.2									3.2	4.3
SSE	1.3	1.2	.4	.2								3.1	4.7
S	4.2	3.5	2.3	.3								10.3	4.8
SSW	2.6	3.1	1.0	.2								7.0	4.3
SW	3.5	3.8	1.2									8.3	4.3
WSW	2.7	3.5	.9	.2								7.3	4.3
W	3.3	3.9	.9	.1								8.1	4.2
WNW	.5	.7										1.2	3.9
NW	.6	.5	.2									1.3	3.9
NNW	.5	.9	.4									1.8	4.8
VARBL													
CALM												20.5	
	31.9	35.2	11.3	1.1								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

01
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.7	1.3									8.7	4.5
NNE	1.3	2.7	.7									4.7	4.6
NE	3.3	1.3										4.7	3.1
ENE	2.0	.7	.7									3.3	3.8
E	3.3	1.3	.7									3.3	3.8
ESE	1.3											1.3	2.5
SE	.7											.7	3.0
SSE	.7	.7	.7									2.0	6.3
S	.7											.7	3.0
SSW	1.3	.7										2.0	3.0
SW	4.7	2.0										6.7	3.1
WSW	2.0	1.3										3.3	3.0
W	4.7	.7										5.3	2.0
WNW			.7									.7	7.0
NW	.7	1.3										2.0	3.3
NNW	1.3	.7	.7									2.7	4.8
VARBL													
CALM												46.0	
	30.7	18.0	5.3									100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

04

HOURS (L.S.T.)

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.3	6.0	2.7									16.0	4.0
NNE	1.3	4.0										5.3	4.4
NE	1.3	2.7										4.0	4.5
ENE	.7	.7										1.3	2.5
E	2.0		.7									2.7	3.0
ESE													
SE		.7	.7									1.3	6.0
SSE	1.3	.7	.7									2.7	4.5
S	.7	.7										1.3	2.5
SSW	2.0	.7										2.7	2.8
SW	3.3	.7										4.0	3.0
WSW	2.7	1.3										4.0	3.0
W	4.7	1.3										6.0	2.3
WNW	2.7	.7	.7									4.0	3.8
NW	.7											.7	2.0
NNW	2.7	3.3	.7									6.7	4.0
VARIABLE													
CALM												37.3	
	33.3	23.3	6.0									100.0	2.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

YEARS

SEP
MONTH

ALL WEATHER

CLASS

07
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.3	8.0	5.3									18.7	4.9
NNE	4.7	2.0	.7									7.3	3.3
NE	4.7	.7	.7									6.0	3.0
ENE	2.0	2.0										4.0	3.3
E	1.3	1.3										2.7	3.5
ESE													
SE		.7										.7	3.0
SSE	.7	.7	.7									2.0	3.7
S	1.3	.7	.7									2.7	3.0
SSW		1.3										1.3	4.0
SW	4.7	1.3										6.0	2.7
WSW	5.3	2.0										7.3	3.2
W	2.0	2.0										4.0	3.2
WNW	1.3											1.3	3.0
NW	.7	.7	.7									1.3	4.0
NNW	4.0	.7										5.3	3.1
VARBL													
CALA												29.3	
	38.0	24.0	8.7									100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

SEP

MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	6.7	2.7	1.3								12.7	5.8
NNE	2.0	4.7	1.3	.7								8.7	5.2
NE	4.0	4.0	1.3									9.3	4.8
ENE	2.7	3.3										6.0	3.8
E	7.3	2.7	1.3									11.3	3.6
ESE	2.0	1.3	1.3	.7								5.3	6.3
SE	.7	2.0	.7									3.3	5.0
SSE			2.0									2.0	8.7
S	.7	.7	.7									2.0	5.3
SSW		1.3	1.3									2.7	6.5
SW	1.3	1.3										2.7	3.3
WSW	1.3	5.3	2.0									8.7	5.8
W	3.3	2.7										6.0	3.4
WNW	1.3	2.0										3.3	3.4
NW	2.7	.7	.7	.7								4.7	4.6
NNW	2.0	2.7										4.7	3.6
VARB													
CALM												6.7	
	33.3	41.3	15.3	3.3								100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

HOURS (L.S.T.)

13

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.3	2.7	1.3								8.0	7.7
NNE	.7	1.3	2.0									4.0	6.7
NE	2.0	2.7	.7	.7								6.0	5.1
ENE	1.3	4.7										6.0	3.9
E	4.7	5.3	2.0	.7								12.7	5.0
ESE	2.7	2.0	.7	.7								6.0	4.9
SE	4.0	1.3	1.3									6.7	4.5
SSE	2.7	6.0	2.0	1.3								12.0	6.2
S	.7	4.7	1.3	.7								7.3	6.3
SSW	.7	1.3	1.3									3.3	6.4
SW	2.0	.7	1.3									4.0	5.3
WSW	.7	1.3										2.0	4.7
W	.7	3.3	1.3	.7								6.0	5.7
WNW	.7	2.0	1.3									4.0	5.3
NW	1.3	2.7										4.0	4.2
NNW	.7	2.0	.7									3.3	5.2
VARBL													
CALM												4.7	
	26.0	44.7	18.7	6.0								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

16

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.3	1.3									6.7	4.7
NNE	1.3	3.3	1.3									6.0	5.2
NE	1.3	.7	.7	.7								3.3	5.2
ENE	1.3	2.7	1.3									5.3	5.0
E	.7	3.3	2.0									8.0	5.3
ESE	1.3	2.7	2.0	.7								6.7	6.1
SE		4.0	1.3									5.3	6.4
SSE	1.3	6.0	3.3									10.7	5.8
S	2.0	8.7	6.0									18.7	6.1
SSW	.7	3.3	2.7	.7								7.3	6.8
SW	2.0	.7	.7									3.3	4.0
WSW		.7										.7	4.0
W	1.3	3.3	1.3									6.0	4.9
WNW	.7	1.3										2.0	4.7
NW	.7	1.3	.7									2.7	4.8
NNW	.7	1.3	3.3									5.3	6.3
VARBL													
CALM												2.0	
	17.3	48.7	30.0	2.0								100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

SEP
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	5.3	.7									8.7	4.5
NNE	2.7	2.0	.7									5.3	4.4
NE	2.0	1.3	.7									4.0	3.8
ENE	1.3	2.7	1.3									5.3	4.9
E	2.0	5.3	2.0									7.3	5.0
ESE		.7	.7									1.3	6.0
SE	2.7	2.7										5.3	3.4
SSE	4.7	2.0										6.7	2.7
S	8.0	1.3	1.3									10.7	3.2
SSW	6.7	6.7	.7									14.0	3.6
SW	4.0	1.3										5.3	2.9
WSW	1.3	1.3										2.7	3.3
W	1.3											1.3	2.5
WNW		.7										.7	5.0
NW	1.3											1.3	2.5
NNW	2.7	.7	.7									4.0	3.0
VARIABLE													
CALM												16.0	
	43.3	32.0	8.7									100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 93727 NEW RIVER, NORTH CAROLINA 73-77 SEP MONTH 22
STATION NAME CLASS ALL WEATHER HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	6.7	.7									9.3	4.3
NNE	1.3	1.3	.7									3.3	5.0
NE	2.7	2.0	.7									5.3	3.6
ENE	1.3	4.7	1.3									7.3	5.0
E	1.3	4.7										6.0	4.3
ESE		1.3										1.3	4.3
SE	2.0	.7										2.7	3.0
SSE	2.7			.7								3.3	4.0
S	2.7											2.7	2.0
SSW	4.0	2.0										6.0	2.7
SW	7.3	3.3										10.7	2.8
WSW	4.0	2.0										6.0	3.1
W	2.0											2.0	1.3
WNW	.7	.7	.7									2.0	3.3
NW	.7		.7	.7								2.0	8.3
NNW		2.0										2.0	4.3
VARBL													
CALM												28.0	
	34.7	31.3	4.7	1.3								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

SEP

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	5.5	2.2	.3								11.1	5.0
NNE	1.9	2.7	.9	.1								5.6	4.7
NE	2.7	1.9	.6	.2								5.3	4.2
ENE	1.6	2.7	.6									4.8	4.3
E	2.8	3.0	1.1	.1								7.0	4.4
ESE	.9	1.0	.6	.2								2.7	3.3
SE	1.2	1.5	.5									3.2	4.6
SSE	1.7	2.0	1.2	.2								5.2	5.3
S	2.1	2.1	1.5	.1								5.7	5.0
SSW	1.9	2.2	.7	.1								4.9	4.4
SW	3.7	1.4	.2									5.3	3.2
WSW	2.2	1.9	.2									4.3	3.9
W	2.5	1.7	.3	.1								4.6	3.5
WRW	.9	.9	.4									2.2	4.5
NW	1.1	.6	.2	.2								2.3	4.5
NNW	1.7	1.7	.8									4.2	4.2
VARBL													
CALM												21.2	
	32.1	32.9	12.2	1.6								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

OCT

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	5.2	3.2	1.3								12.9	5.9
NNE	1.9	1.3	1.3									4.5	4.4
NE	1.3	2.6	.6									4.5	4.0
ENE	1.3	3.2										4.5	4.4
E		1.3										1.3	5.0
ESE													
SE													
SSE	.6	1.9	.6	.6								3.9	7.0
S	.6	.6	1.3									2.6	6.5
SSW	1.3	.6										1.9	3.3
SW	1.9	3.2	.6									5.8	3.4
WSW	2.6	1.3	.6									4.5	3.7
W	2.6	3.9	1.3									7.7	4.3
WNW		.6	.6									1.3	6.0
NW	1.9	1.3	.6									3.9	4.5
NNW	3.9	2.6	.6									7.1	3.5
VARBL												33.5	
CALM	23.2	29.7	11.6	1.9								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

STATION NAME

73-77

YEARS

OCT

MONTH

ALL WEATHER

CLASS

04

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	7.7	3.2									12.9	6.0
NNE	.6	3.9	1.3									5.8	5.8
NE	.6	1.9										2.6	4.0
ENE	1.9	2.6										4.5	3.4
E			.6									.6	7.0
ESE													
SE													
SSE	.6	1.3	1.3									3.2	5.8
S			.6	.6								1.3	10.5
SSW	.6	1.9										2.6	3.5
SW	4.5	1.9	.6									7.1	3.4
WSW	.6	2.6										3.2	4.4
W	1.9	4.5	1.9									8.4	4.6
WNW	.6	2.6										3.2	4.4
NW	2.6	.6	.6									3.9	3.5
NNW	3.9	3.9	1.9									9.7	4.3
VARBL													
CALM												31.0	
	20.6	35.5	12.3	.6								100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93727

NEW RIVER, NORTH CAROLINA

73-77

YEARS

MONTH
OCT

STATION NAME

STATION NAME

ALL WEATHER

YEARS

MONTH

STATION NAME

STATION NAME

ALL WEATHER

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	7.7	4.5	4.5	.6								17.4	5.0
NNE	3.9	1.9	1.3									7.1	4.3
NE	2.6	3.2										5.8	3.7
ENE	.6	.6										.6	6.0
E	.6	1.3										1.9	4.3
ESE													
SE	.6											.6	2.0
SSE		.6										.6	4.0
S		.6	.6	.6								1.9	8.0
SSW			.6									.6	7.0
SW	2.6	1.3										3.9	3.3
WSW	2.6	1.9	.6									5.2	3.9
W	2.6	1.9	1.3									5.8	4.1
WNW		3.9	.6									4.5	4.9
NW	2.6	.6	.6									3.9	3.7
NNW	3.2	4.5	2.6									10.3	4.9
VARB													
CALM												29.7	
	29.0	27.1	12.9	1.3								100.0	3.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

STATION NAME

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MONTH

ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.2	1.0	3.2								20.6	7.6
NNE	1.3	.6	3.2	1.9								7.1	8.0
NE	1.3	1.9	2.6									5.8	5.4
ENE	3.9	3.2	1.3									6.4	4.4
E	1.9	3.2	1.9									7.1	4.9
ESE	.6	1.9	.6									3.2	5.2
SE	1.9		.6									2.6	3.8
SSE	1.9	.6										2.6	3.3
S		.6	.6									1.3	7.0
SSW		.6	.6	.6								1.9	8.7
SW	.6	.6	.6									1.9	4.7
WSW	1.9	.6	1.9	.6								5.2	6.3
W	1.9	4.3	2.6									9.0	5.3
WNW	1.9	2.6	.6									5.2	4.8
NW		2.6	1.3	.6								4.3	7.0
NNW	1.9	3.9	2.6	.6								9.0	5.8
VARBL													
CALM												4.5	
	24.5	31.0	32.3	7.7								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

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ALL WEATHER
CLASS

13
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.2	9.0	1.3								16.8	7.3
NNE		.6	1.3	1.3								3.2	9.6
NE	.6	3.2	.6	.6								3.2	6.3
ENE	1.3	2.6	.6									4.9	4.9
E	3.2	3.2	1.9									12.3	4.5
ESE	1.3	2.6	3.9	.6								8.4	6.8
SE	1.3	1.9										3.2	3.6
SSE	1.9	.6	1.3									3.9	5.0
S			2.6	1.3								3.9	9.2
SSW	.6	1.9	.6									3.2	3.2
SW		.6										.6	5.0
WSW		2.6										2.6	5.3
W		2.6	3.2	1.3	.6							7.7	8.9
WNW	1.9	2.6	1.3									5.8	5.1
NW	1.3	1.3	4.5									7.1	7.4
NNW	.6	2.6	3.2	1.3								7.7	7.4
VARBL													
CALM												3.9	
	17.4	36.1	34.2	7.7	.6							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

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ALL WEATHER
CLASS

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MONTH

16
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	5.8	6.5	2.6								15.3	7.5
NNE	1.9	3.2	2.6									7.7	5.7
NE	1.3	.6	2.6									4.5	6.0
ENE	.6	1.3	1.3									3.2	5.8
E	1.3	5.2	1.9									8.4	5.2
ESE	1.3	1.9	1.9									5.2	5.4
SE	.6	3.9	.6									5.2	5.0
SSE	.6	2.6	1.9									5.2	6.0
S	3.2	3.9	3.2	.6								11.0	5.7
SSW		3.2	1.9									5.2	6.0
SW	.6											.6	3.0
WSW		1.3		1.9								3.2	9.8
W	.6	3.2	1.3	.6								5.8	5.9
WNW		1.9	1.3	1.3								4.5	6.1
NW	1.3	3.2	1.3									5.8	5.1
NNW		1.9	1.9	.6								4.5	7.6
VARB													
CALM												4.5	
	14.2	43.2	30.3	7.7								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

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STATION

NEW RIVER, NORTH CAROLINA
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YEARS

UCT
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	9.0	4.5	3.2	.6	.6							18.1	5.0
NNE	1.3	2.6	.6									4.5	4.6
NE		1.9	1.3									3.2	6.2
ENE		5.8										5.8	5.1
E	3.2	3.9										7.1	3.5
ESE	1.9	.6										2.6	3.3
SE	.6											.6	2.0
SSE	1.9	.6	.6									3.2	3.8
S	5.8	2.6										8.4	3.0
SSW	3.2	2.6	.6									6.5	3.4
SW	1.9											1.9	2.3
WSW	3.2	1.9										5.2	3.1
W	1.3	1.9	.6									3.9	4.7
WNW	.6	2.6										3.2	4.2
NW	1.3		.6									1.9	4.3
NNW	1.3	.6	.6									2.6	4.3
VARBL													
CALM												21.3	
	36.8	32.3	8.4	.6	.6							100.0	3.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

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STATION

NEW RIVER, NORTH CAROLINA

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ALL WEATHER

CLASS

22

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.2	5.2	1.9	.6								12.9	4.6
NNE	1.3	5.2	.6									7.1	4.6
NE	.6	1.9	.6									3.2	4.8
ENE	.6	1.9	1.3									3.9	5.3
E	3.2	1.9	.6									5.8	4.0
ESE	.6											.6	3.0
SE	.6											.6	2.0
SSE	1.9	.6	1.3	.6								4.5	5.7
S	1.3											1.3	2.0
SSW	1.9	1.3										3.2	3.4
SW	3.9	1.3										5.2	3.4
WSW	1.9		.6									2.6	3.3
W	4.5	4.5	.6									9.7	3.7
WNW	.6	.6	.6									1.9	5.0
NW	.6	1.3	1.3									3.2	5.2
NNW	1.9	1.3	1.9	.6								5.8	5.7
VARBL													
CALM												28.4	
	31.0	27.1	11.6	1.9								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

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NEW RIVER, NORTH CAROLINA

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ALL WEATHER

ALL

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	5.2	5.3	1.3	.1							15.9	6.1
NNE	1.5	2.4	1.5	.4								5.9	5.7
NE	1.0	2.2	1.0	.1								4.4	5.1
ENE	1.2	2.7	.6									4.4	4.7
E	1.9	2.7	.9									5.6	4.5
ESE	.7	.9	.8	.1								2.5	5.6
SE	.7	.7	.2									1.6	4.0
SSE	1.2	1.1	.9	.2								3.4	5.4
S	1.4	1.0	1.1	.4								4.0	5.7
SSW	1.0	1.5	.6	.1								3.1	4.7
SW	2.0	1.1	.2									3.4	3.4
WSW	1.6	1.5	.5	.3								4.0	4.8
W	1.9	3.4	1.6	.2	.1							7.3	5.2
WNW	.7	2.2	.6	.2								3.7	5.3
NW	1.5	1.4	1.4	.1								4.3	5.4
NNW	2.1	2.7	1.9	.4								7.1	5.4
VARBL													
CALM												19.6	
	24.6	32.7	19.2	3.7	.2							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

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STATION NAME

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ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.3	1.3	.7								6.7	5.0
NNE	3.3	1.3	1.3									6.0	4.4
NE	1.3	.7	.7									2.7	4.5
ENE	.7		.7									1.3	5.0
E	2.0	.7										2.7	2.8
ESE	2.0											2.0	2.0
SE	.7											.7	2.0
SSE		.7										.7	4.0
S		2.0										2.0	4.0
SSW	2.0	3.3	.7									6.0	4.3
SW	4.0	2.0										6.0	2.7
WSW	6.0	4.0	1.3									11.3	4.1
W	5.3	3.3	2.7	.7								12.0	4.6
WNW	2.0	2.7	.7									5.3	4.5
NW	.7	2.0	.7		.7							4.0	8.0
NNW	1.3	.7										2.0	3.0
VARBL													
CALM												28.7	
	34.7	24.7	10.0	1.3	.7							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

150

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

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STATION NAME

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ALL WEATHER

04

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.7	1.3									6.7	4.1
NNE	2.7	2.0	1.3									6.0	4.3
NE	3.3	.7										4.0	2.8
ENE	1.3	.7										2.0	2.7
E	.7	.7										1.3	3.0
ESE	.7	.7	.7									1.3	7.0
SE	1.3											1.3	2.3
SSE													
S	.7	.7		.7								2.0	6.3
SSW	2.0											2.0	2.3
SW	2.7	.7	.7									4.0	3.7
WSW	6.0	2.0	2.7									10.7	4.4
W	9.3	2.7	1.3									13.3	3.4
WNW	2.0	1.3	.7									4.0	4.3
NW	1.3	2.7	.7	.7								5.3	5.9
NNW	4.0	2.0										6.0	3.1
VARBL													
CALM												30.0	
	40.0	19.3	9.3	1.3								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

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STATION NAME

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CLASS

07

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.7	2.0									7.3	4.9
NNE	6.0	2.0	.7									8.7	3.0
NE		2.0										2.0	4.7
ENE	1.3	1.3										2.7	3.5
E		1.3										1.3	4.0
ESE			.7									.7	7.0
SE		.7										.7	6.0
SSE													
S	2.0		.7									2.7	4.0
SSW	2.0	.7	.7									3.3	3.8
SW	2.7	.7										3.3	2.8
WSW	3.3	1.3	1.3									6.0	4.2
W	9.3	6.0	.7	.7								15.7	3.9
WNW	1.3	2.0	.7									4.0	4.7
NW	2.0	2.0	1.3	.7								6.0	5.7
NNW	2.0	1.3	.7									4.0	4.7
VARB													
CALM												30.7	
	34.7	24.0	9.3	1.3								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

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ALL WEATHER

CLASS

10

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	4.0	5.3	.7								12.7	6.2
NNE	2.7	2.7	2.7									8.0	5.0
NE	1.3	1.3	2.0									4.7	5.6
ENE	2.0	3.3										5.3	3.3
E	5.3	1.3										6.7	2.8
ESE	2.0	.7										2.7	3.0
SE	1.3	1.3	.7									3.3	4.8
SSE	1.3	.7	.7									2.7	4.3
S		.7	.7									1.3	6.0
SSW			.7									.7	8.0
SW		1.3	1.3									2.7	7.0
WSW		3.3	1.3	.7								5.3	6.8
W	3.3	2.7	2.7	1.3								10.0	6.2
WNW	3.3	1.3	4.0	2.0								10.7	7.3
NW	1.3	2.0	1.3	.7								5.3	5.8
NNW	2.0	2.0	2.0	2.0								8.0	7.3
VARBL													
CALM												10.0	
	28.7	28.7	25.3	7.3								100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

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STATION

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CLASS

13

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	4.7									7.3	6.7
NNE	.7	2.0	2.7	.7								6.0	7.1
NE	2.0	3.3	2.0									7.3	5.4
ENE	2.0	.7										2.7	2.8
E	5.3	.7										6.0	2.3
ESE		3.3	1.3									4.7	5.6
SE	4.7	3.3	.7	.7								9.3	4.4
SSE	.7	1.3	.7	.7								3.3	6.4
S		2.0	1.3	1.3								4.7	8.3
SSW		1.3	2.7	1.3								5.3	8.6
SW	.7	1.3	2.0									4.0	7.0
WSW	.7	.7	2.0	.7	.7							4.7	9.0
W		2.7	4.0	1.3	.7							8.7	9.0
WNW	1.3	4.0	4.7		.7							10.7	6.7
NW	.7	2.7	3.3	.7								7.3	6.9
NNW	1.3		3.3	1.3								6.0	8.2
VARB													
CALM												2.0	
	20.7	31.3	35.3	8.7	2.0							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
93727

STATION NAME
NEW RIVER, NORTH CAROLINA

73-77

YEARS

MONTH
NOV

16

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	4.0	4.7	1.3								11.3	7.2
NNE	1.3	2.0										3.3	3.8
NE		.7	.7									1.3	8.0
ENE	1.3	1.3	.7									3.3	4.8
E	2.7	2.0										4.7	3.9
ESE		3.3	2.0									5.3	5.9
SE	1.3	2.0	.7									4.0	4.5
SSE	.7	2.7										3.3	4.8
S		9.3	4.0									13.3	5.8
SSW		3.3	5.3	.7								9.3	7.6
SW			.7									.7	8.0
WSW	.7	2.0	4.0									6.7	7.4
W	.7	3.3	1.3	2.0								7.3	7.3
WNW		2.7	2.7									5.3	6.5
NW	1.3	2.0	.7	.7								4.7	6.0
NNW	1.3	4.7	2.7	1.3								10.0	6.3
VARBL													
CALM												6.0	
	12.7	45.3	30.0	6.0								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

19
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.3	1.3									6.0	4.2
NNE	.7	.7	1.3									2.7	5.8
NE	.7	1.3										2.0	4.0
ENE	2.0	.7	.7	.7								4.0	4.8
E	2.0	2.0	.7									4.7	3.9
ESE			.7									.7	7.0
SE	2.0	.7										2.7	3.0
SSE	.7	1.3										2.0	4.7
S	2.7	2.7	.7									6.0	4.0
SSW	2.7	2.7	2.0									7.3	4.6
SW	3.3	5.3	.7									9.3	3.9
WSW	3.3	3.3	1.3									8.0	4.4
W	4.0	4.0	.7	.7								9.3	4.4
WNW	2.7	.7	.7									4.0	4.0
NW	.7	2.0	1.3									4.0	8.2
NNW	3.3	1.3	.7									5.3	3.5
VARBL													
CALM												22.0	
	34.0	28.0	13.3	2.7								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

NOV

STATION

STATION NAME

YEARS

NORTH

ALL WEATHER

CLASS

22

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.3	1.3	2.0									6.7	5.0
NNE	1.3		.7									2.0	4.3
NE	1.3	1.3										2.7	3.0
ENE		2.7	.7									3.3	5.4
E	1.3	.7										2.0	3.0
ESE	1.3	1.3	.7									3.3	4.4
SE	.7											.7	2.0
SSE	.7	1.3										2.0	4.3
S	1.3		.7	1.3								3.3	7.4
SSW	4.0	1.3	.7									6.0	3.2
SW	6.0	1.3	.7									8.0	3.5
WSW	6.0		2.7									8.7	4.6
W	6.7	4.0	1.3									12.0	3.6
WNW		.7	2.7									3.3	8.4
NW	1.3	2.0		.7								4.0	5.5
NNW	.7	2.0										2.7	3.8
VARBL													
CALM												29.3	
	36.0	20.0	12.7	2.0								100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.4	2.8	.3								8.1	5.6
NNE	2.3	1.6	1.3	.1								5.3	4.6
NE	1.2	1.4	.7									3.3	4.7
ENE	1.3	1.3	.3	.1								3.1	4.1
E	2.4	1.2	.1									3.7	3.1
ESE	.7	1.2	.7									2.6	5.0
SE	1.5	1.0	.2	.1								2.8	4.1
SSE	.5	1.0	.2	.1								1.7	5.0
S	.8	2.2	1.0	.4								4.4	5.8
SSW	1.6	1.6	1.6	.2								5.0	5.5
SW	2.4	1.6	.7									4.7	4.1
WSW	3.2	2.1	2.1	.2	.1							7.7	5.3
W	4.8	3.6	1.8	.8	.1							11.2	5.0
WRW	1.6	1.9	2.1	.2	.1							5.9	6.1
NW	1.2	1.9	1.2	.7	.1							5.1	6.4
NNW	2.0	1.7	1.2	.6								5.5	5.5
VARB												19.8	
CALM												100.0	4.1
	30.2	27.7	18.2	3.8	.3								

TOTAL NUMBER OF OBSERVATIONS

1200

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

DEC

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

01

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	2.6	1.3									7.1	4.3
NNE	2.6	2.6	.6									3.8	4.0
NE				.6								.6	11.0
NNE	1.3	.6	.6									1.9	3.0
E	.6	1.9	.6		.6							3.9	7.3
ESE	1.3											1.3	2.3
SE					.6							.6	17.0
SSE	.6	1.9	.6									3.2	5.0
S		1.3	2.6									3.9	7.0
SSW	1.3	1.3	.6									3.2	4.4
SW	1.3	1.9	.6									3.9	5.0
WSW	2.6	2.6	1.3	.6								7.1	4.8
W	2.6	5.8	2.6		.6							11.6	5.6
WNW		4.3	3.2	1.3								9.0	6.6
NW	.6	.6	1.3	1.3								3.9	8.3
NNW	3.2	1.3	1.9									6.3	4.6
VARB													
CALM												26.3	
	21.3	29.0	17.4	3.9	1.9							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

04
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	3.9		.6								8.4	4.2
NNE	.6	1.3	1.9									3.9	5.7
NE	1.3	1.3	.6									3.2	4.8
ENE	.6	1.3										1.9	4.3
E		.6										.6	4.0
ESE			.6									.6	10.0
SE					.6							.6	20.0
SSE		1.3	.6									1.9	5.3
S	.6	.6	.6									1.9	5.3
SSW	3.2	1.3	3.9									8.4	5.3
SW	1.9	2.6	2.6									7.1	5.2
WSW	2.6	2.6	.6									5.8	3.9
W	2.6	5.8	1.3	1.9								11.6	5.9
WNW	.6	5.2	.6	.6								7.1	6.0
NW	1.3	.6	2.6									4.5	5.4
NNW	3.2	3.9	1.3									8.4	3.8
VARBL													
CALM												23.9	
	22.6	32.3	17.4	3.2	.6							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

07
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.9	3.9	.6									8.4	3.8
NNE	1.3	3.2	.6									5.2	4.8
NE	1.3	1.3		.6								1.9	7.7
ENE	1.3	.6										1.9	3.0
E	1.3	2.6										3.9	3.3
ESE		.6	.6									1.3	7.0
SE													
SSE	.6	.6										1.3	4.0
S	.6	.6	.6	.6								2.6	7.3
SSW	.6	1.3	1.9	.6								4.5	7.4
SW	1.3	1.3	1.9	.6								5.2	7.1
WSW	4.5	1.9	1.9	1.3								9.7	5.6
W	5.8	3.9	1.9									11.6	4.3
WNW	3.9	1.3	2.6	.6								8.4	5.3
NW	2.6	1.9		.6								5.2	4.6
NNW	3.2	2.6	2.6									8.4	4.6
VARBL													
CALM												20.6	
	31.0	27.7	15.5	5.2								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73077

YEARS

DEC
MONTH

ALL WEATHER
CLASS

10
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	5.8	5.8	1.9								14.8	7.1
NNE		2.6		1.3								3.9	6.8
NE		2.6	.6	.6								3.9	7.5
ENE	2.6	2.6	1.3									6.5	4.2
E	3.2	.6										3.9	3.0
ESE	1.3	.6	.6									2.6	4.3
SE	.6	.6		.6								1.9	6.3
SSE													
S	1.3	.6										1.9	3.3
SSW		2.6	2.6	1.3								6.5	7.5
SW	.6	3.2	1.9	.6	.6							7.1	7.6
WSW	1.9	1.9	2.6	1.3								7.7	6.5
W	.6	3.9	4.3	1.9	.6							11.6	8.2
WNW	1.3	1.3	1.3	1.3								5.2	7.5
NW		2.6	2.6	.6								5.8	7.4
NNW	1.3	.6	2.6									4.3	6.7
VARB													
CALM												12.3	
	16.1	32.3	26.5	11.6	1.3							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

155

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 93727 NEW RIVER, NORTH CAROLINA 73-77 DEC
STATION NAME YEARS MONTH
ALL WEATHER CLASS 13
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	4.5	5.8	1.3								14.2	6.6
NNE	1.3	1.9	1.3									4.5	5.0
NE		.6	1.9	.6								3.2	8.2
ENE	1.3	3.2										4.5	4.0
E	3.2	1.9										5.2	3.6
ESE	1.9											2.6	4.0
SE	.6	.6	1.3	.6								3.2	7.2
SSE		.6	1.3									1.9	7.3
S	2.6	2.6	.6	1.9								7.7	6.5
SSW	.6	1.9	.6									3.2	5.8
SW	.6	1.9	1.9	3.2								7.7	9.0
WSW	.6	.6	1.9	2.6								5.8	9.9
W	1.3	1.3	4.5	4.5								11.6	8.9
WNW		1.9	3.2	3.2								8.4	9.3
NW		1.3	1.3	1.3								3.9	7.7
NNW	1.3	1.9	2.6	.6								6.5	6.6
VARB													
CALM												5.8	
	18.1	27.1	29.0	20.0								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

YEARS

DEC

MONTH

16

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	2.6	1.3									6.5	4.7
NNE	.6	2.6	3.2	.6								7.1	6.6
NE		1.3	.6									1.9	6.3
ENE	1.3	1.9	1.3									4.5	5.7
E	2.6	.6		.6								3.9	4.7
ESE	1.3	1.9										3.2	4.0
SE	1.3	1.3	.6									3.2	4.0
SSE	.6	1.9		.6								3.2	6.4
S	1.3	3.2	4.5	.6								9.7	6.5
SSW	.6	3.9	.6	1.3								6.5	6.7
SW		1.9	1.3	.6								3.9	7.5
WSW	1.3	1.9	1.3	1.3								5.8	7.3
W	1.3	3.2	4.5	2.6								11.6	8.2
WNW		3.9	3.9	3.9								11.6	8.8
NW	.6	1.9										2.6	4.3
NNW	1.9	1.9	5.2									9.0	5.9
VARB													
CALM												5.8	
	17.4	36.1	26.4	12.3								100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 93727 NEW RIVER, NORTH CAROLINA 73-77 DEC MONTH 19 HOURS (L.S.T.)

YEARS

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.6	1.3	.6								6.3	5.2
NNE	.6	3.9	1.3	.6								6.3	6.1
NE	.6	.6	1.9									3.2	6.2
ENE	1.9		.6	.6								3.2	5.0
E	1.9	1.9			.6							4.3	5.7
ESE	.6											.6	3.0
SE	.6											.6	2.0
SSE	1.3	.6										1.9	2.7
S	2.6	2.6	2.6	.6								8.4	6.0
SSW	1.9		1.3	1.3								4.3	6.3
SW	3.9	3.2	1.9	.6								9.7	4.8
WSW	3.2	.6	3.2	.6								7.8	5.7
W	2.6	3.8	1.9									10.4	5.0
WNW			1.3	.6								1.9	10.0
NW	2.6		1.3	.6								4.3	5.1
NNW	1.3	.6	1.3									3.2	5.8
VARB													
CALM												22.1	
	27.9	22.7	20.1	6.5	.6							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

154

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NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

22
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	1.3	1.3	1.3								7.1	5.9
NNE	1.3	2.6										3.9	4.3
NE	1.9	1.9	1.9									5.8	5.3
ENE			1.3									1.3	8.5
E	.6	1.3	.6									2.6	4.3
ESE													
SE	.6	1.3		.6								2.6	7.0
SSE			.6									.6	7.0
S	1.9	1.3	1.9	.6								5.8	6.6
SSW	1.9	1.3	2.6									5.8	5.4
SW	2.6	1.9	.6	1.3								6.5	6.0
WSW	1.9	3.2	2.6									7.7	5.3
W	2.6	5.8	3.2	.6								12.3	5.5
WNW	.6	1.3	.6									2.6	5.0
NW		1.9	1.3	1.9								5.2	8.5
NNW			1.9									1.9	8.7
VARBL													
CALM												28.4	
	19.4	25.2	20.6	6.5								100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

DEC

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.4	2.2	.7								9.1	5.5
NNE	1.0	2.6	1.1	.3								5.1	5.5
NE	.3	1.2	1.0	.3								3.0	6.5
ENE	1.3	1.3	.6	.1								3.2	4.6
E	1.7	1.5	.2	.1	.2							3.6	4.6
ESE	.8	.4	.3									1.3	4.5
SE	.3	.5	.2	.2	.2							1.6	7.1
SSE	.4	.9	.4	.1								1.8	5.4
S	1.4	1.6	1.7	.6								5.2	6.3
SSW	1.3	1.7	1.8	.6								5.3	6.2
SW	1.5	2.3	1.6	.9	.1							6.4	6.5
WSW	2.3	1.9	1.9	1.0								7.2	6.0
W	2.4	4.4	3.1	1.3	.2							11.3	6.5
WNW	.8	2.4	2.1	1.3								6.8	7.4
NW	1.0	1.4	1.3	.8								4.4	6.5
NNW	1.9	1.6	2.4	.1								6.1	5.4
VARBL													
CALM												18.2	
	21.7	29.1	21.9	8.6	.6							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

1239

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.1	2.2	.5	.0							8.3	3.6
NNE	1.4	2.0	1.2	.2	.0							4.9	3.4
NE	1.2	1.3	.8	.2		.0						3.6	3.0
ENE	1.2	1.6	.6	.1	.0							3.4	4.7
E	1.5	2.0	.8	.1	.0							4.5	4.8
ESE	1.0	1.1	.6	.1	.0							2.8	4.9
SE	.8	1.1	.6	.1	.0							2.7	3.4
SSE	.9	1.3	1.1	.3	.0							3.6	3.9
S	2.0	2.6	2.5	.9	.1							8.0	6.3
SSW	2.0	2.5	2.1	.6	.1	.0						7.3	6.0
SW	2.5	2.6	1.4	.4	.0							7.1	5.2
WSW	2.3	2.6	1.6	.5	.0	.0	.0					7.1	5.6
W	2.5	3.5	2.0	.8	.1	.0	.0					8.8	5.8
WNW	.9	1.4	1.1	.4	.0	.0	.0					3.9	6.3
NW	.9	1.1	1.0	.5	.0							3.5	6.4
NNW	1.3	1.5	1.3	.2	.0							4.3	5.5
VARBL													
CALM												16.3	
	24.8	31.6	20.9	5.9	.5	.0	.0					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS

14606

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

ALL

MONTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL

HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	6.0	4.4	1.0	.1							14.4	6.1
NNE	1.8	3.5	2.7	.8	.2							9.1	6.3
NE	1.8	2.2	1.6	.3								6.0	5.6
ENE	1.1	1.7	.7	.3								3.9	5.3
E	1.4	1.8	.7	.4	.1							4.4	5.7
ESE	.7	.7	.4	.2								2.1	5.2
SE	.5	.7	.4	.3								2.0	6.1
SSE	.6	.4	.9	.2	.1							2.1	7.1
S	1.1	1.4	2.6	1.5	.3							6.9	8.2
SSW	.7	1.7	1.7	.7	.1							5.1	7.3
SW	1.0	1.5	1.1	.4	.1							4.0	6.1
WSW	1.2	1.7	1.6	.6								5.1	6.4
W	2.3	3.3	1.3	.7	.1							7.7	5.3
WNW	.9	1.5	1.3	.4								4.1	6.2
NW	1.0	1.1	1.4	.7	.1							4.2	6.9
NNW	1.6	2.3	1.9	.1								6.0	5.4
VARB												13.0	
CALM												100.0	5.4
	20.7	31.8	24.7	8.6	1.1								

TOTAL NUMBER OF OBSERVATIONS

1608

DIRNAVOCEANMET SMOS

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than $6/10$ total sky cover and those cases where total sky cover is $6/10$ or more, but not more than $1/2$ of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	$\geq 2\frac{1}{2}$	≥ 2	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	≥ 1	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$
NO CEILING												
≥ 1800												
≥ 1500					91.0							
≥ 1200												
≥ 1000												
≥ 900												
≥ 800												
≥ 700												
≥ 600												
≥ 500										97.4		
≥ 400												98.1
≥ 300												
≥ 200												
≥ 100												
0					95.4		96.9			98.3		100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.

Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with > 1 mile is equal to 6.4%. Thus, 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

OKTAS

0
1
2
3
4
5
6
7
8 (or obscured)

TENTHS

0
1
3
4
5
6
8
9
10

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING		49.7	51.0	51.6	52.3	52.9	54.8	55.5	55.5	55.5	55.5	56.1
≥ 20000		50.3	51.6	52.3	52.9	53.6	55.5	56.1	56.1	56.1	56.1	56.8
≥ 18000		50.3	51.6	52.3	52.9	53.6	55.5	56.1	56.1	56.1	56.1	56.8
≥ 16000		50.3	51.6	52.3	52.9	53.6	55.5	56.1	56.1	56.1	56.1	56.8
≥ 14000		50.3	51.6	52.3	52.9	53.6	55.5	56.1	56.1	56.1	56.1	56.8
≥ 12000		51.0	52.3	52.9	53.6	54.2	56.1	56.8	56.8	56.8	56.8	57.4
≥ 10000		54.2	55.5	56.1	56.8	57.4	59.4	60.0	60.0	60.0	60.0	60.7
≥ 9000		58.1	59.4	60.0	60.7	61.3	63.2	63.9	63.9	63.9	63.9	64.5
≥ 8000		61.3	62.6	63.2	63.9	64.5	66.5	67.1	67.1	67.1	67.1	67.7
≥ 7000		61.3	62.6	63.2	63.9	64.5	66.5	67.1	67.1	67.1	67.1	67.7
≥ 6000		62.6	63.9	64.5	65.2	65.8	67.7	68.4	68.4	68.4	68.4	69.0
≥ 5000		62.6	63.9	64.5	65.2	65.8	67.7	68.4	68.4	68.4	68.4	69.0
≥ 4500		64.5	65.8	67.1	67.7	68.4	70.3	71.0	71.0	71.0	71.0	71.6
≥ 4000		65.2	66.5	67.7	68.4	69.0	71.0	71.6	71.6	71.6	71.6	72.3
≥ 3500		65.2	66.5	67.7	68.4	69.0	71.0	71.6	71.6	71.6	71.6	72.3
≥ 3000		66.5	67.7	69.7	71.0	71.6	73.6	74.2	74.2	74.2	74.2	74.8
≥ 2500		68.4	70.3	72.9	74.8	75.5	77.4	78.1	78.1	78.1	78.1	78.7
≥ 2000		68.4	70.3	72.9	74.8	75.5	77.4	78.1	78.1	78.1	78.1	78.7
≥ 1800		69.7	72.9	75.5	77.4	78.1	80.7	81.3	81.3	81.3	81.3	81.9
≥ 1500		69.7	73.6	76.1	78.1	78.7	81.9	82.6	82.6	82.6	82.6	83.2
≥ 1200		71.0	74.8	77.4	81.3	81.9	85.2	85.8	85.8	85.8	86.5	87.1
≥ 1000		71.6	75.5	78.1	81.9	82.6	85.8	86.5	86.5	86.5	87.1	87.7
≥ 900		72.3	76.1	78.7	83.2	83.9	87.1	87.7	87.7	87.7	88.4	89.0
≥ 800		72.9	76.8	79.4	83.9	84.5	87.7	88.4	88.4	88.4	89.0	89.7
≥ 700		74.2	78.1	80.7	85.2	85.8	89.0	90.3	90.3	91.0	91.6	92.3
≥ 600		74.8	78.7	81.9	86.5	87.1	91.6	92.9	92.9	93.6	94.2	94.8
≥ 500		74.8	78.7	81.9	86.5	87.1	91.6	92.9	92.9	93.6	94.2	94.8
≥ 400		75.5	79.4	82.6	87.7	88.4	92.9	94.2	94.2	94.8	95.5	96.1
≥ 300		75.5	79.4	82.6	87.7	88.4	92.9	94.2	94.2	94.8	95.5	96.1
≥ 200		75.5	79.4	82.6	87.7	88.4	92.9	94.2	94.2	94.8	95.5	96.1
≥ 100		75.5	79.4	82.6	87.7	88.4	92.9	94.2	94.2	94.8	95.5	96.1
0		75.5	79.4	82.6	87.7	88.4	92.9	94.2	94.2	94.8	95.5	96.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000		48.4	49.0	50.3	50.3	50.3	51.6	52.3	52.3	52.9	52.9	52.9	52.9	52.9
≥ 18000		50.3	51.0	52.3	52.9	52.9	54.2	54.8	54.8	55.5	55.5	55.5	55.5	55.5
≥ 16000		50.3	51.0	52.3	52.9	52.9	54.2	54.8	54.8	55.5	55.5	55.5	55.5	55.5
≥ 14000		50.3	51.0	52.3	52.9	52.9	54.2	54.8	54.8	55.5	55.5	55.5	55.5	55.5
≥ 12000		50.3	51.0	52.3	52.9	52.9	54.2	54.8	54.8	55.5	55.5	55.5	55.5	55.5
≥ 10000		51.0	51.6	52.9	53.6	53.6	54.8	55.5	55.5	56.1	56.1	56.1	56.1	56.1
≥ 9000		55.5	56.1	57.4	58.1	58.1	59.4	60.0	60.0	60.7	60.7	60.7	60.7	60.7
≥ 8000		55.5	56.1	57.4	58.1	58.1	59.4	60.0	60.0	60.7	60.7	60.7	60.7	60.7
≥ 7000		60.0	60.7	61.9	62.6	62.6	63.9	64.5	64.5	65.2	65.2	65.2	65.2	65.2
≥ 6000		60.0	60.7	61.9	62.6	62.6	63.9	64.5	64.5	65.2	65.2	65.2	65.2	65.2
≥ 5000		60.7	61.3	62.6	63.9	63.9	65.2	65.8	65.8	66.5	66.5	66.5	66.5	66.5
≥ 4500		60.7	61.3	62.6	63.9	63.9	65.2	65.8	65.8	66.5	66.5	66.5	66.5	66.5
≥ 4000		61.3	61.9	63.2	64.5	64.5	65.8	66.5	66.5	67.1	67.1	67.1	67.1	67.1
≥ 3500		61.9	62.6	63.9	65.2	65.2	66.5	67.1	67.1	67.7	67.7	67.7	67.7	67.7
≥ 3000		63.2	63.9	65.2	67.1	67.1	68.4	69.0	69.0	69.7	69.7	69.7	69.7	69.7
≥ 2500		67.7	69.7	71.0	72.9	72.9	74.2	74.8	74.8	75.5	75.5	75.5	75.5	75.5
≥ 2000		69.0	71.6	72.9	74.8	74.8	76.1	76.8	76.8	77.4	77.4	77.4	77.4	77.4
≥ 1800		69.0	71.6	72.9	74.8	74.8	76.1	76.8	76.8	77.4	77.4	77.4	77.4	77.4
≥ 1500		70.3	76.1	77.4	80.0	80.0	81.9	82.6	82.6	83.2	83.2	83.2	83.2	83.2
≥ 1200		70.3	76.1	77.4	80.0	80.0	81.9	82.6	82.6	83.2	83.2	83.2	83.2	83.2
≥ 1000		71.6	77.4	78.7	81.3	81.3	83.2	83.9	83.9	84.5	84.5	84.5	84.5	84.5
≥ 900		72.3	78.1	79.4	81.9	81.9	83.9	84.5	84.5	85.2	85.2	85.2	85.2	85.2
≥ 800		72.9	79.4	80.7	83.2	83.2	85.2	85.8	85.8	86.5	86.5	86.5	86.5	86.5
≥ 700		72.9	80.0	82.6	85.2	85.2	87.1	87.7	87.7	88.4	88.4	88.4	88.4	88.4
≥ 600		72.9	80.0	82.6	85.2	85.2	87.1	87.7	87.7	88.4	88.4	88.4	88.4	88.4
≥ 500		73.6	81.3	84.5	87.7	87.7	89.7	90.3	90.3	91.0	91.0	91.0	91.0	91.0
≥ 400		73.6	81.3	84.5	87.7	87.7	89.7	90.3	90.3	91.0	91.0	91.0	91.0	91.0
≥ 300		73.6	82.6	85.8	89.7	89.7	91.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6
≥ 200		73.6	82.6	85.8	89.7	89.7	91.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6
≥ 100		73.6	82.6	85.8	89.7	89.7	91.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6
0		73.6	82.6	85.8	89.7	89.7	91.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING		39.4	40.7	42.6	43.2	43.2	43.2	43.9	43.9	44.5	44.5	44.5	45.8
≥ 20000		41.9	44.5	46.5	47.7	47.7	47.7	48.4	48.4	49.0	49.0	49.0	50.3
≥ 18000		42.6	45.2	47.1	48.4	48.4	48.4	49.0	49.0	49.7	49.7	49.7	51.0
≥ 16000		42.6	45.2	47.1	48.4	48.4	48.4	49.0	49.0	49.7	49.7	49.7	51.0
≥ 14000		42.6	45.2	47.1	48.4	48.4	48.4	49.0	49.0	49.7	49.7	49.7	51.0
≥ 12000		43.9	46.5	48.4	49.7	49.7	49.7	50.3	50.3	51.0	51.0	51.0	52.3
≥ 10000		45.2	47.7	49.7	51.0	51.0	51.0	51.6	51.6	52.3	52.3	52.3	53.6
≥ 9000		45.2	47.7	49.7	51.0	51.0	51.0	51.6	51.6	52.3	52.3	52.3	53.6
≥ 8000		47.1	49.7	51.6	53.6	53.6	53.6	54.2	54.2	54.8	54.8	54.8	56.8
≥ 7000		50.3	52.9	55.5	57.4	57.4	57.4	58.1	58.1	58.7	58.7	58.7	60.7
≥ 6000		50.3	52.9	55.5	57.4	57.4	57.4	58.1	58.1	58.7	58.7	58.7	60.7
≥ 5000		50.3	52.9	55.5	57.4	57.4	57.4	58.1	58.1	58.7	58.7	58.7	60.7
≥ 4500		50.3	53.6	56.8	58.7	58.7	58.7	59.4	59.4	60.0	60.0	60.0	61.9
≥ 4000		51.0	54.2	57.4	59.4	59.4	59.4	60.0	60.0	60.7	60.7	60.7	61.9
≥ 3500		52.9	56.8	60.0	61.9	61.9	61.9	63.2	63.2	63.9	63.9	63.9	65.8
≥ 3000		55.5	60.0	63.2	65.8	65.8	65.8	67.1	67.1	67.7	67.7	67.7	69.7
≥ 2500		57.4	61.9	65.2	68.4	68.4	68.4	69.7	69.7	70.3	70.3	70.3	72.9
≥ 2000		59.4	64.5	67.7	71.0	71.0	71.0	72.9	72.9	73.6	73.6	73.6	75.5
≥ 1800		59.4	64.5	67.7	71.0	71.0	71.0	72.9	72.9	73.6	73.6	73.6	75.5
≥ 1600		62.6	67.7	71.6	74.8	74.8	74.8	76.8	76.8	77.4	77.4	77.4	79.4
≥ 1400		63.2	68.4	72.3	75.5	75.5	75.5	77.4	77.4	78.1	78.1	78.1	80.0
≥ 1200		64.5	70.3	74.8	79.4	79.4	79.4	81.3	81.3	81.9	81.9	81.9	84.5
≥ 1000		64.5	70.3	74.8	79.4	79.4	79.4	81.3	81.3	81.9	81.9	81.9	84.5
≥ 900		64.5	70.3	74.8	80.0	80.0	80.0	81.9	81.9	82.6	82.6	82.6	85.2
≥ 800		65.2	71.0	75.5	80.7	80.7	80.7	83.2	83.2	83.9	83.9	83.9	86.5
≥ 700		65.2	72.3	76.8	81.9	81.9	81.9	84.5	84.5	85.2	85.2	85.2	87.7
≥ 600		65.2	72.9	78.1	83.2	83.2	83.2	85.8	85.8	87.1	87.1	87.1	89.7
≥ 500		65.2	72.9	78.7	83.9	83.9	83.9	87.1	87.1	89.7	89.7	89.7	91.0
≥ 400		65.8	73.6	80.0	85.2	85.2	85.2	89.0	89.0	91.6	91.6	91.6	93.6
≥ 300		66.5	74.2	80.7	85.8	85.8	85.8	89.7	89.7	92.9	92.9	92.9	94.8
≥ 200		66.5	74.2	80.7	85.8	85.8	85.8	89.7	89.7	92.9	92.9	92.9	94.8
≥ 100		66.5	74.2	80.7	85.8	85.8	85.8	89.7	89.7	92.9	92.9	92.9	94.8
0		66.5	74.2	80.7	85.8	85.8	85.8	89.7	89.7	92.9	92.9	92.9	94.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000		41.9	43.9	43.9	43.9	43.9	43.9	44.5	44.5	44.5	44.5	44.5	44.5
≥ 18000		47.1	49.7	49.7	49.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000		47.7	50.3	50.3	50.3	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0
≥ 14000		47.7	50.3	50.3	50.3	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0
≥ 12000		48.4	51.0	51.0	51.0	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000		49.7	52.9	52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6
≥ 9000		49.7	52.9	52.9	52.9	52.9	52.9	53.6	53.6	53.6	53.6	53.6	53.6
≥ 8000		56.1	59.4	59.4	59.4	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000		58.7	61.9	61.9	61.9	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6
≥ 6000		58.7	61.9	61.9	61.9	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000		60.0	63.2	63.2	63.2	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9
≥ 4500		61.9	65.2	65.2	65.2	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4000		64.5	67.7	67.7	67.7	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500		66.5	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3000		69.7	74.8	74.8	74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2500		71.0	76.8	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000		71.0	76.8	77.4	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1800		72.3	78.1	79.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500		72.3	78.1	79.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1200		74.2	80.0	81.3	81.3	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1000		75.5	81.3	82.6	82.6	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2
≥ 900		76.8	83.2	84.5	84.5	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800		77.4	83.9	85.8	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5
≥ 700		78.1	84.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600		78.1	84.5	86.5	86.5	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1
≥ 500		78.1	85.2	88.4	88.4	88.4	88.4	89.7	89.7	89.7	89.7	89.7	89.7
≥ 400		78.1	85.2	89.0	89.0	89.0	89.0	91.6	91.6	91.6	91.6	91.6	91.6
≥ 300		78.1	85.2	89.0	89.0	89.0	89.0	92.9	92.9	92.9	92.9	92.9	92.9
≥ 200		78.1	85.2	89.0	89.0	89.0	89.0	95.5	95.5	95.5	95.5	95.5	95.5
≥ 100		78.1	85.2	89.0	89.0	89.0	89.0	95.5	95.5	95.5	95.5	95.5	95.5
≥ 0		78.1	85.2	89.0	89.0	89.0	89.0	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING		49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000		56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
18000		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
16000		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
14000		56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
12000		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
10000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
9000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
8000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
7000		69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
6000		69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
5000		69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
4500		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
4000		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
3500		73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
3000		76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2500		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
2000		77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
1800		78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
1500		78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
1200		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
1000		81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
900		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
800		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
700		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
600		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
500		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
400		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
300		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
200		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
100		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
0		82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JAN
MONTH

16
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000		60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
18000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
14000		60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 12000		61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
10000		63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000		63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
8000		66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
6000		67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000		68.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
4500		68.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000		71.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
3500		71.0	72.3	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000		74.2	75.5	76.1	76.8	77.4	77.4	77.4	77.4	77.4	77.4
2500		75.5	76.8	77.4	78.7	79.4	80.0	80.0	80.0	80.0	80.0
≥ 2000		76.1	77.4	78.1	79.4	80.0	80.7	80.7	80.7	80.7	80.7
1800		76.1	77.4	78.1	79.4	80.0	80.7	80.7	80.7	80.7	80.7
≥ 1500		78.7	80.0	80.7	81.9	82.6	83.9	83.9	83.9	83.9	83.9
1200		80.0	81.3	81.9	83.2	83.9	85.2	85.2	85.2	85.2	85.2
≥ 1000		83.2	85.2	85.8	87.1	87.7	89.7	89.7	89.7	89.7	89.7
900		83.2	85.8	86.5	87.7	88.4	90.3	90.3	91.0	91.0	91.0
≥ 800		83.9	86.5	87.1	89.0	89.7	91.6	91.6	92.3	92.3	92.3
700		84.5	87.1	87.7	90.3	91.0	92.9	92.9	93.6	93.6	93.6
≥ 600		85.2	88.4	89.0	91.6	92.9	94.8	94.8	95.5	95.5	95.5
500		85.2	88.4	89.0	92.3	93.6	95.5	96.1	96.8	96.8	98.1
≥ 400		85.2	88.4	89.0	92.3	93.6	95.5	96.8	97.4	97.4	98.7
300		85.2	88.4	89.0	92.3	93.6	95.5	96.8	97.4	97.4	98.7
≥ 200		85.2	88.4	89.0	92.3	93.6	95.5	96.8	97.4	97.4	98.7
100		85.2	88.4	89.0	92.3	93.6	95.5	96.8	97.4	97.4	98.7
0		85.2	88.4	89.0	92.3	93.6	95.5	96.8	97.4	97.4	98.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19

HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		49.7	50.3	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000		55.5	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000		55.5	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000		55.5	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000		55.5	56.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000		58.1	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000		60.7	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000		60.7	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
8000		63.2	64.5	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000		64.5	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
6000		64.5	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000		64.5	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
4500		65.8	67.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
4000		67.1	68.4	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
3500		67.1	68.4	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
3000		69.7	71.6	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
2500		72.3	74.2	75.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
2000		74.8	77.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
1800		74.8	77.4	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
1500		78.1	80.7	82.6	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
1200		78.1	80.7	82.6	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1000		80.0	82.6	84.5	87.1	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
900		80.0	82.6	84.5	87.1	87.7	89.0	89.0	89.0	89.0	89.7	89.7	89.7	89.7
800		80.7	83.2	85.2	87.7	88.4	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3
700		81.9	85.2	87.1	89.7	90.3	91.6	91.6	92.3	92.3	92.9	92.9	92.9	92.9
600		82.6	85.8	87.7	90.3	91.0	92.3	92.3	92.3	92.9	93.6	93.6	93.6	93.6
500		82.6	86.5	88.4	91.6	92.3	94.2	94.2	94.8	96.1	96.1	96.1	96.1	96.1
400		83.2	87.1	89.7	92.9	93.6	95.5	96.1	96.1	96.8	98.1	98.1	98.1	98.1
300		83.2	87.1	89.7	92.9	93.6	95.5	96.1	96.1	96.8	98.1	98.1	98.1	98.1
200		83.2	87.1	89.7	92.9	93.6	95.5	96.1	96.1	97.4	99.4	99.4	99.4	99.4
100		83.2	87.1	89.7	92.9	93.6	95.5	96.1	96.1	97.4	99.4	99.4	99.4	99.4
0		83.2	87.1	89.7	92.9	93.6	95.5	96.1	96.1	97.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		54.2	56.8	58.1	58.1	58.1	58.7	58.7	58.7	60.0	60.0	60.0	60.0
≥ 18000		56.1	58.7	60.0	60.0	60.0	60.7	60.7	60.7	61.9	61.9	61.9	61.9
≥ 16000		56.1	58.7	60.0	60.0	60.0	60.7	60.7	60.7	61.9	61.9	61.9	61.9
≥ 14000		56.1	58.7	60.0	60.0	60.0	60.7	60.7	60.7	61.9	61.9	61.9	61.9
≥ 12000		57.4	60.0	61.3	61.3	61.3	61.9	61.9	61.9	63.2	63.2	63.2	63.2
≥ 10000		60.7	63.2	64.5	64.5	64.5	65.2	65.2	65.2	66.5	66.5	66.5	66.5
≥ 9000		60.7	63.2	64.5	64.5	64.5	65.2	65.2	65.2	66.5	66.5	66.5	66.5
8000		63.2	65.8	67.1	67.1	67.1	68.4	68.4	68.4	69.7	69.7	69.7	69.7
7000		63.9	66.5	67.7	67.7	67.7	69.0	69.0	69.0	70.3	70.3	70.3	70.3
6000		63.9	66.5	67.7	67.7	67.7	69.0	69.0	69.0	70.3	70.3	70.3	70.3
5000		64.5	67.1	68.4	68.4	68.4	69.7	69.7	69.7	71.0	71.0	71.0	71.0
4500		64.5	67.1	68.4	68.4	68.4	69.7	69.7	69.7	71.0	71.0	71.0	71.0
4000		65.8	68.4	69.7	69.7	69.7	71.0	71.0	71.0	72.3	72.3	72.3	72.3
3500		65.8	68.4	69.7	69.7	69.7	71.0	71.0	71.0	72.3	72.3	72.3	72.3
3000		67.1	69.7	71.0	71.0	71.0	72.3	72.3	72.3	74.2	74.2	74.2	74.2
2500		71.6	74.8	76.8	77.4	77.4	78.1	78.1	78.1	79.4	79.4	79.4	79.4
2000		73.6	77.4	79.4	80.0	80.0	80.7	80.7	80.7	81.9	81.9	81.9	81.9
1800		73.6	77.4	79.4	80.0	80.0	80.7	80.7	80.7	81.9	81.9	81.9	81.9
1500		74.8	80.0	81.9	82.6	82.6	83.2	83.2	83.2	85.2	85.2	85.2	85.2
1200		74.8	80.0	82.6	83.2	83.2	83.9	84.5	84.5	85.8	85.8	85.8	85.8
1000		76.8	81.9	85.2	85.8	85.8	87.1	87.7	87.7	89.7	89.7	89.7	89.7
900		77.4	82.6	85.8	86.5	86.5	87.7	88.4	88.4	89.7	90.3	90.3	90.3
800		78.1	83.2	87.1	87.7	87.7	89.0	89.7	89.7	91.0	91.6	91.6	91.6
700		78.7	83.9	88.4	89.0	89.0	90.3	91.0	91.0	92.3	92.9	92.9	92.9
600		78.7	83.9	89.0	89.7	89.7	91.0	91.6	91.6	92.9	93.6	93.6	93.6
500		79.4	84.5	90.3	91.6	91.6	93.6	94.2	94.2	95.5	96.1	96.1	96.1
400		79.4	84.5	90.3	91.6	91.6	93.6	94.2	94.2	95.5	96.1	96.1	96.1
300		80.0	85.2	91.0	92.3	92.3	94.2	94.8	94.8	96.1	96.8	96.8	96.8
200		80.0	85.2	91.0	92.9	92.9	95.5	96.1	96.1	97.4	98.1	98.1	98.1
100		80.0	85.2	91.0	92.9	92.9	95.5	96.1	96.1	97.4	98.1	98.1	98.1
0		80.0	85.2	91.0	92.9	92.9	95.5	96.1	96.1	97.4	98.1	98.1	98.1

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING		47.7	48.7	49.4	49.6	49.7	50.2	50.5	50.5	50.8	50.8	50.9
≥ 20000		52.2	53.6	54.2	54.6	54.7	55.2	55.5	55.5	55.8	55.8	55.9
18000		52.5	53.9	54.5	54.9	55.0	55.5	55.8	55.8	56.1	56.1	56.2
16000		52.5	53.9	54.5	54.9	55.0	55.5	55.8	55.8	56.1	56.1	56.2
14000		52.5	53.9	54.5	54.9	55.0	55.5	55.8	55.8	56.1	56.1	56.2
12000		53.6	55.0	55.7	56.1	56.1	56.6	56.9	56.9	57.3	57.3	57.4
10000		56.2	57.7	58.3	58.7	58.8	59.3	59.6	59.6	59.9	59.9	60.0
9000		56.2	57.7	58.3	58.7	58.8	59.3	59.6	59.6	59.9	59.9	60.0
8000		60.0	61.5	62.2	62.7	62.8	63.3	63.6	63.6	64.0	64.0	64.1
7000		61.9	63.3	64.1	64.7	64.8	65.2	65.6	65.6	65.9	65.9	66.0
6000		61.9	63.3	64.3	64.9	65.0	65.5	65.8	65.8	66.1	66.1	66.2
5000		62.6	64.2	65.0	65.7	65.7	66.2	66.5	66.5	66.9	66.9	67.0
4500		63.2	64.8	65.8	66.5	66.5	67.0	67.3	67.3	67.7	67.7	67.8
4000		64.8	66.5	67.6	68.2	68.3	68.9	69.2	69.2	69.5	69.5	69.6
3500		65.5	67.3	68.4	69.1	69.2	69.8	70.1	70.1	70.4	70.4	70.5
3000		67.6	69.8	71.1	71.9	72.0	72.7	73.0	73.0	73.4	73.4	73.5
2500		69.9	72.4	74.0	75.2	75.3	76.1	76.4	76.4	76.8	76.8	76.9
2000		71.2	74.2	75.9	77.3	77.4	78.2	78.6	78.6	79.0	79.0	79.1
1800		71.5	74.4	76.1	77.5	77.7	78.5	78.8	78.8	79.2	79.2	79.3
1500		73.2	76.9	78.7	80.2	80.3	81.5	81.9	82.3	82.3	82.3	82.4
1200		73.8	77.7	79.7	81.1	81.4	82.6	83.0	83.4	83.4	83.4	83.5
1000		75.6	79.8	81.9	83.9	84.1	85.6	86.1	86.1	86.5	86.8	86.9
900		76.1	80.5	82.6	84.7	84.9	86.4	86.9	86.9	87.4	87.7	87.9
800		76.6	81.4	83.6	85.9	86.1	87.7	88.2	88.2	88.7	89.1	89.3
700		77.1	82.3	84.8	87.2	87.4	89.0	89.5	89.5	90.3	90.7	91.0
600		77.4	82.7	85.6	88.0	88.3	89.9	90.5	90.5	91.4	91.8	92.0
500		77.7	83.2	86.5	89.3	89.7	92.0	92.7	92.7	93.9	94.4	94.8
400		77.8	83.5	87.0	89.8	90.4	92.8	93.8	93.8	94.9	95.4	96.0
300		78.1	83.8	87.3	90.2	90.9	93.5	94.7	94.7	95.9	96.5	97.0
200		78.1	83.8	87.3	90.3	91.0	93.6	94.8	94.9	96.4	97.0	97.8
100		78.1	83.8	87.3	90.3	91.0	93.6	94.8	94.9	96.4	97.2	98.2
0		78.1	83.8	87.3	90.3	91.0	93.6	94.8	94.9	96.4	97.2	98.2

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

FEB
MONTH

01
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING													
≥ 20000		61.7	63.8	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	66.0
≥ 18000		64.5	67.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.5
≥ 16000		64.5	67.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.5
≥ 14000		64.5	67.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	69.5
≥ 12000		65.3	68.1	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	70.2
≥ 10000		66.0	68.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.9
≥ 9000		66.7	69.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.6
≥ 8000		66.7	69.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.6
≥ 7000		70.2	73.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	75.2
≥ 6000		70.2	73.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	75.2
≥ 5000		70.2	73.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	75.2
≥ 4500		70.9	73.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.9
≥ 4000		73.1	76.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.7
≥ 3500		73.8	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.4
≥ 3000		74.5	78.7	80.9	80.9	80.9	80.9	80.9	80.9	81.6	81.6	81.6	82.3
≥ 2500		78.7	83.0	85.1	85.1	85.1	85.1	85.1	85.1	85.8	85.8	85.8	86.5
≥ 2000		79.4	83.7	85.8	85.8	85.8	85.8	85.8	85.8	86.5	86.5	86.5	87.2
≥ 1800		79.4	83.7	85.8	85.8	85.8	85.8	85.8	85.8	86.5	86.5	86.5	87.2
≥ 1600		79.4	83.7	85.8	85.8	85.8	85.8	85.8	85.8	86.5	86.5	86.5	87.2
≥ 1500		79.4	83.7	85.8	85.8	85.8	85.8	85.8	85.8	86.5	86.5	86.5	87.2
≥ 1200		79.4	83.7	85.8	85.8	85.8	85.8	85.8	85.8	86.5	86.5	86.5	87.2
≥ 1000		80.9	86.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 900		80.9	86.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 800		80.9	86.5	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 700		81.6	87.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.6
≥ 600		82.3	88.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.3
≥ 500		82.3	88.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.3
≥ 400		82.3	88.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.3
≥ 300		82.3	88.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.3
≥ 200		82.3	88.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.3
≥ 100		82.3	88.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.3
0		82.3	88.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.3

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING		61.7	62.4	66.0	68.1	68.1	68.1	68.1	68.1	68.8	68.8	68.8
≥ 20000		63.8	64.5	68.1	70.2	70.2	70.2	70.2	70.2	70.9	70.9	70.9
≥ 18000		63.8	64.5	68.1	70.2	70.2	70.2	70.2	70.2	70.9	70.9	70.9
≥ 16000		63.8	64.5	68.1	70.2	70.2	70.2	70.2	70.2	70.9	70.9	70.9
14000		63.8	64.5	68.1	70.2	70.2	70.2	70.2	70.2	70.9	70.9	70.9
12000		65.3	66.0	69.5	71.6	71.6	71.6	71.6	71.6	72.3	72.3	72.3
10000		66.0	66.7	70.2	72.3	72.3	72.3	72.3	72.3	73.1	73.1	73.1
9000		66.0	66.7	70.2	72.3	72.3	72.3	72.3	72.3	73.1	73.1	73.1
8000		70.2	70.9	74.5	76.6	76.6	76.6	76.6	76.6	77.3	77.3	77.3
7000		71.6	72.3	75.9	78.0	78.0	78.0	78.0	78.0	78.7	78.7	78.7
6000		71.6	72.3	75.9	78.0	78.0	78.0	78.0	78.0	78.7	78.7	78.7
5000		71.6	72.3	75.9	78.0	78.0	78.0	78.0	78.0	78.7	78.7	78.7
4500		71.6	72.3	75.9	78.0	78.0	78.0	78.0	78.0	78.7	78.7	78.7
4000		73.1	73.8	77.3	79.4	79.4	79.4	79.4	79.4	80.1	80.1	80.1
3500		73.8	74.5	78.0	80.1	80.1	80.1	80.1	80.1	80.9	80.9	80.9
3000		75.9	76.6	80.1	82.3	82.3	82.3	82.3	82.3	83.7	83.7	83.7
2500		78.0	78.7	82.3	84.4	84.4	84.4	84.4	84.4	85.8	85.8	85.8
2000		78.7	79.4	83.0	85.1	85.1	85.1	85.1	85.1	86.5	86.5	86.5
1800		78.7	79.4	83.0	85.1	85.1	85.1	85.1	85.1	86.5	86.5	86.5
1500		79.4	80.9	85.8	87.9	87.9	87.9	87.9	87.9	89.4	89.4	89.4
1200		80.9	82.3	87.2	89.4	89.4	89.4	89.4	89.4	90.8	90.8	90.8
1000		81.6	83.7	88.7	90.8	90.8	90.8	90.8	90.8	92.2	92.2	92.2
900		81.6	83.7	88.7	90.8	90.8	90.8	90.8	90.8	92.2	92.2	92.2
800		82.3	84.4	90.1	92.2	92.2	92.2	92.2	92.2	93.6	93.6	93.6
700		83.0	85.1	90.8	93.6	93.6	93.6	93.6	93.6	95.0	95.0	95.0
600		83.0	85.1	90.8	93.6	93.6	93.6	93.6	93.6	95.0	95.0	95.0
500		83.0	85.1	90.8	93.6	93.6	93.6	93.6	93.6	95.0	95.0	95.0
400		83.0	85.1	90.8	93.6	93.6	93.6	93.6	93.6	95.0	95.0	95.0
300		83.7	85.8	92.2	95.0	95.0	95.0	95.0	95.0	97.2	97.2	97.2
200		83.7	85.8	92.2	95.0	95.0	95.0	95.0	95.0	97.2	97.2	97.2
100		83.7	85.8	92.2	95.0	95.0	95.0	95.0	95.0	97.2	97.2	97.2
0		83.7	85.8	92.2	95.0	95.0	95.0	95.0	95.0	97.2	97.2	97.2

141

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

5703 CEILING VERSUS VISIBILITY JAN 78

73-77

FEB

MONTH

07

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING											
≥ 20000	53.2	57.5	53.9	55.3	56.7	56.7	58.2	58.2	58.2	58.2	58.2
18000	53.9	58.2	58.2	60.3	61.7	61.7	63.1	63.1	63.1	63.1	63.1
16000	53.9	58.2	58.2	60.3	61.7	61.7	63.1	63.1	63.1	63.1	63.1
14000	53.9	58.2	58.2	60.3	61.7	61.7	63.1	63.1	63.1	63.1	63.1
12000	53.9	58.2	58.2	60.3	61.7	61.7	63.1	63.1	63.1	63.1	63.1
10000	55.3	60.3	60.3	62.4	63.8	63.8	65.3	65.3	65.3	65.3	65.3
9000	55.3	60.3	60.3	62.4	63.8	63.8	65.3	65.3	65.3	65.3	65.3
8000	57.5	62.4	62.4	64.5	66.7	66.7	68.1	68.1	68.1	68.1	68.1
7000	58.2	63.1	63.1	65.3	67.4	67.4	68.8	68.8	68.8	68.8	68.8
6000	58.9	63.8	63.8	66.0	68.1	68.1	69.5	69.5	69.5	69.5	69.5
5000	59.6	64.5	64.5	66.7	68.8	68.8	70.2	70.2	70.2	70.2	70.2
4500	59.6	64.5	64.5	66.7	68.8	68.8	70.2	70.2	70.2	70.2	70.2
4000	61.0	66.7	66.7	68.8	70.9	70.9	73.1	73.1	73.1	73.1	73.1
3500	61.7	68.1	68.1	70.2	72.3	72.3	74.5	74.5	74.5	74.5	74.5
3000	65.3	71.6	71.6	73.8	75.9	75.9	78.0	78.0	78.0	78.0	78.0
2500	68.8	75.9	75.9	78.7	80.9	80.9	83.0	83.0	83.0	83.0	83.0
2000	69.5	76.6	76.6	79.4	81.6	81.6	83.7	83.7	83.7	83.7	83.7
1800	69.5	76.6	76.6	79.4	81.6	81.6	83.7	83.7	83.7	83.7	83.7
1500	71.6	78.7	78.7	82.3	84.4	84.4	86.5	86.5	86.5	86.5	86.5
1200	72.3	80.1	80.1	83.7	85.8	85.8	87.9	87.9	87.9	87.9	87.9
1000	73.8	82.3	82.3	85.8	87.9	87.9	90.1	90.1	90.1	90.1	90.1
900	73.8	82.3	82.3	85.8	87.9	87.9	90.1	90.1	90.1	90.1	90.1
800	73.8	83.7	83.7	87.2	89.4	89.4	91.5	91.5	91.5	91.5	91.5
700	73.8	83.7	83.7	87.2	89.4	89.4	91.5	91.5	91.5	91.5	91.5
600	73.8	84.4	84.4	87.9	90.1	90.1	92.2	92.2	92.2	92.2	92.2
500	73.8	84.4	84.4	87.9	90.8	90.8	93.6	93.6	93.6	93.6	93.6
400	73.8	84.4	84.4	87.9	90.8	90.8	93.6	93.6	93.6	93.6	93.6
300	73.8	84.4	84.4	88.7	91.5	91.5	94.3	94.3	94.3	94.3	94.3
200	73.8	84.4	84.4	88.7	92.2	92.2	95.0	95.0	95.0	95.0	95.0
100	73.8	84.4	84.4	88.7	92.2	92.2	95.0	95.0	95.0	95.0	95.0
0	73.8	84.4	84.4	88.7	92.2	92.2	95.0	95.0	95.0	95.0	95.0

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

FEB
MONTH

10
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING												
≥ 20000		54.6	56.7	56.7	56.7	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 18000		58.9	62.4	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 16000		58.9	62.4	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 14000		58.9	62.4	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000		58.9	62.4	62.4	62.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 10000		62.4	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000		62.4	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000		66.0	69.5	69.5	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 7000		67.4	70.9	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 6000		67.4	70.9	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 5000		68.8	72.3	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4500		68.8	72.3	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4000		70.9	74.5	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3500		71.6	75.2	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3000		71.6	75.9	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2500		75.2	79.4	79.4	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2000		76.6	80.9	80.9	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800		76.6	80.9	80.9	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1500		79.4	84.4	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200		79.4	84.4	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1000		80.9	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900		80.9	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800		81.6	86.5	86.5	86.5	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 700		82.3	87.2	87.2	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 600		83.0	88.7	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 500		83.0	88.7	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 400		83.0	88.7	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 300		83.0	88.7	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 200		83.0	88.7	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 100		83.0	88.7	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
0		83.0	88.7	88.7	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4

TOTAL NUMBER OF OBSERVATIONS 141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING												
≥ 20000	55.3	56.0	56.0	56.0	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 18000	65.3	66.0	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000	65.3	66.0	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000	65.3	66.0	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000	66.0	66.7	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 10000	67.4	68.1	68.1	68.1	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 9000	67.4	68.1	68.1	68.1	68.1	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 8000	70.9	71.6	71.6	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000	72.3	73.1	73.1	73.1	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 6000	72.3	73.1	73.1	73.1	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 5000	72.3	73.1	73.1	73.1	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4500	73.8	74.5	74.5	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4000	74.5	75.2	75.2	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3500	75.2	75.9	75.9	75.9	75.9	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3000	79.4	80.1	80.1	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	80.1	80.9	80.9	80.9	80.9	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2000	80.1	80.9	80.9	80.9	80.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1800	80.9	81.6	81.6	81.6	81.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	83.7	85.1	85.1	85.1	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200	85.1	86.5	86.5	86.5	86.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1000	85.1	87.2	87.2	87.2	87.2	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 900	85.1	87.2	87.2	87.2	87.2	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 800	85.1	87.2	87.2	87.2	87.2	90.8	90.8	91.5	91.5	91.5	91.5	91.5
≥ 700	85.8	88.7	88.7	88.7	88.7	93.6	93.6	94.3	94.3	94.3	94.3	94.3
≥ 600	85.8	88.7	88.7	88.7	88.7	94.3	94.3	95.7	95.7	95.7	95.7	95.7
≥ 500	85.8	88.7	88.7	88.7	88.7	94.3	94.3	96.5	96.5	96.5	96.5	96.5
≥ 400	85.8	89.4	89.4	89.4	89.4	95.0	95.0	97.2	97.2	97.2	97.2	97.2
≥ 300	85.8	89.4	89.4	89.4	89.4	95.7	95.7	97.9	97.9	97.9	97.9	97.9
≥ 200	85.8	89.4	89.4	89.4	89.4	95.7	95.7	97.9	97.9	97.9	97.9	97.9
≥ 100	85.8	89.4	89.4	89.4	89.4	95.7	95.7	97.9	97.9	97.9	97.9	97.9
0	85.8	89.4	89.4	89.4	89.4	95.7	95.7	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING											
≥ 20000	53.2	53.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 18000	61.7	62.4	63.1	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8
≥ 16000	61.7	62.4	63.1	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8
≥ 14000	61.7	62.4	63.1	63.1	63.1	63.8	63.8	63.8	63.8	63.8	63.8
≥ 12000	62.4	63.1	63.8	63.8	63.8	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	63.1	63.8	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	63.1	63.8	65.3	65.3	65.3	66.0	66.0	66.0	66.0	66.0	66.0
8000	68.1	68.8	70.2	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9
7000	70.2	70.9	72.3	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1
6000	70.2	70.9	72.3	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1
5000	70.2	70.9	72.3	72.3	72.3	73.1	73.1	73.1	73.1	73.1	73.1
4500	70.9	71.6	73.1	73.1	73.1	73.8	73.8	73.8	73.8	73.8	73.8
4000	71.6	72.3	73.8	73.8	73.8	74.5	74.5	74.5	74.5	74.5	74.5
3500	73.1	73.8	75.2	75.2	75.2	75.9	75.9	75.9	75.9	75.9	75.9
3000	76.6	77.3	78.7	78.7	79.4	80.1	80.1	80.1	80.1	80.1	80.1
2500	79.4	80.9	82.3	82.3	83.0	83.7	83.7	83.7	83.7	83.7	83.7
2000	81.6	83.0	84.4	84.4	85.1	85.8	85.8	85.8	85.8	85.8	85.8
1800	83.0	84.4	85.8	85.8	86.5	87.2	87.2	87.2	87.2	87.2	87.2
1500	83.0	84.4	85.8	85.8	87.2	87.9	87.9	87.9	87.9	87.9	87.9
1200	83.7	85.1	87.9	87.9	89.4	90.1	90.1	90.1	90.1	90.1	90.1
1000	83.7	85.1	87.9	87.9	89.4	90.1	90.1	90.1	90.1	90.1	90.1
900	83.7	85.1	87.9	87.9	89.4	90.1	90.1	90.1	90.1	90.1	90.1
800	83.7	85.1	87.9	87.9	89.4	90.1	90.1	90.1	90.1	90.1	90.1
700	84.4	85.8	90.1	90.1	91.5	92.2	92.2	92.2	92.2	92.2	92.2
600	85.1	87.2	91.5	91.5	92.9	93.6	94.3	94.3	94.3	94.3	94.3
500	85.1	87.2	91.5	91.5	93.6	94.3	95.7	95.7	95.7	95.7	95.7
400	85.1	87.2	92.2	92.2	94.3	95.0	96.5	96.5	96.5	96.5	96.5
300	85.8	87.9	92.9	92.9	95.7	96.5	97.9	97.9	97.9	97.9	97.9
200	85.8	87.9	92.9	92.9	95.7	96.5	97.9	97.9	97.9	97.9	97.9
100	85.8	87.9	92.9	92.9	95.7	96.5	97.9	97.9	97.9	97.9	97.9
0	85.8	87.9	92.9	92.9	95.7	96.5	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING		59.6	61.0	61.0	61.0	61.7	61.7	61.7	61.7	61.7	61.7	62.4	62.4
≥ 20000		65.3	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	68.1	68.1
≥ 18000		65.3	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	68.1	68.1
≥ 16000		65.3	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	68.1	68.1
≥ 14000		65.3	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	68.1	68.1
≥ 12000		65.3	66.7	66.7	66.7	67.4	67.4	67.4	67.4	67.4	67.4	68.1	68.1
≥ 10000		67.4	68.8	68.8	68.8	69.5	69.5	69.5	69.5	69.5	69.5	70.2	70.2
≥ 9000		68.1	69.5	69.5	69.5	70.2	70.2	70.2	70.2	70.2	70.2	70.9	70.9
≥ 8000		69.5	70.9	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	72.3	72.3
≥ 7000		71.6	73.1	73.1	73.1	73.8	73.8	73.8	73.8	73.8	73.8	74.5	74.5
≥ 6000		73.1	74.5	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.9	75.9
≥ 5000		73.1	74.5	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.9	75.9
≥ 4500		75.2	76.6	76.6	76.6	77.3	77.3	77.3	77.3	77.3	77.3	78.0	78.0
≥ 4000		75.9	77.3	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.7	78.7
≥ 3500		77.3	79.4	79.4	79.4	80.9	80.9	81.6	81.6	81.6	81.6	82.3	82.3
≥ 3000		80.9	83.0	83.0	83.0	84.4	84.4	85.1	85.1	85.1	85.1	85.8	85.8
≥ 2500		83.0	85.1	85.1	85.1	86.5	86.5	87.2	87.2	87.2	87.2	87.9	87.9
≥ 2000		83.0	85.1	85.1	85.1	86.5	86.5	87.2	87.2	87.2	87.2	87.9	87.9
≥ 1800		83.0	85.1	85.1	85.1	86.5	86.5	87.2	87.2	87.2	87.2	87.9	87.9
≥ 1500		83.0	85.1	85.1	85.1	86.5	86.5	87.2	87.2	87.2	87.2	87.9	87.9
≥ 1200		83.0	85.1	85.1	85.1	86.5	86.5	87.2	87.2	87.2	87.2	87.9	87.9
≥ 1000		83.0	85.1	85.1	85.1	86.5	86.5	87.2	87.2	87.2	87.2	87.9	87.9
≥ 900		83.0	85.1	85.1	85.1	86.5	86.5	87.2	87.2	87.2	87.2	87.9	87.9
≥ 800		83.0	85.1	85.1	85.1	86.5	86.5	87.2	87.2	87.2	87.2	87.9	87.9
≥ 700		83.7	87.2	87.2	87.2	88.7	88.7	89.4	89.4	89.4	89.4	90.1	90.1
≥ 600		83.7	87.2	87.2	87.2	88.7	88.7	89.4	89.4	89.4	89.4	90.1	90.1
≥ 500		83.7	87.2	87.2	87.2	88.7	88.7	89.4	89.4	89.4	89.4	90.1	90.1
≥ 400		83.7	87.2	87.2	87.2	88.7	88.7	89.4	89.4	89.4	89.4	90.1	90.1
≥ 300		83.7	87.2	87.2	87.2	88.7	88.7	89.4	89.4	89.4	89.4	90.1	90.1
≥ 200		83.7	87.2	87.2	87.2	88.7	88.7	89.4	89.4	89.4	89.4	90.1	90.1
≥ 100		83.7	87.2	87.2	87.2	88.7	88.7	89.4	89.4	89.4	89.4	90.1	90.1
0		83.7	87.2	87.2	87.2	88.7	88.7	89.4	89.4	89.4	89.4	90.1	90.1

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼
NO CEILING	66.0	66.0	66.0	66.0	66.0	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	70.2	70.2	70.2	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
18000	70.2	70.2	70.2	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
16000	70.2	70.2	70.2	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
14000	70.2	70.2	70.2	70.2	70.2	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
12000	70.9	70.9	70.9	70.9	70.9	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
10000	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
9000	74.5	74.5	74.5	74.5	74.5	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
8000	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
7000	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
6000	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
5000	79.4	79.4	79.4	79.4	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
4500	79.4	79.4	79.4	79.4	79.4	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
4000	80.1	80.1	80.1	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
3500	80.1	80.1	80.1	80.1	80.1	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
3000	82.3	82.3	82.3	83.0	83.0	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
2500	83.0	83.7	84.4	84.4	84.4	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
2000	84.4	85.1	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1800	84.4	85.1	85.8	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
1500	84.4	85.1	85.8	86.5	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1200	84.4	85.1	85.8	86.5	87.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
1000	85.1	85.8	86.5	87.2	87.9	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
900	85.1	85.8	86.5	87.2	87.9	88.7	89.4	90.1	90.1	90.1	90.1	90.1	90.1
800	85.1	85.8	86.5	87.2	87.9	88.7	89.4	90.1	90.1	90.1	90.1	90.1	90.1
700	85.1	86.5	87.2	87.9	88.7	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1
600	85.8	86.5	87.2	87.9	88.7	89.4	90.1	90.1	90.1	90.1	90.1	90.1	90.1
500	87.2	87.9	88.7	89.4	90.1	90.8	91.5	92.2	92.2	92.2	92.2	92.2	92.2
400	87.2	87.9	88.7	89.4	90.1	90.8	91.5	92.2	92.2	92.2	92.2	92.2	92.2
300	87.2	87.9	88.7	89.4	90.1	90.8	91.5	92.2	92.2	92.2	92.2	92.2	92.2
200	87.2	87.9	88.7	89.4	90.1	90.8	91.5	92.2	92.2	92.2	92.2	92.2	92.2
100	87.2	87.9	88.7	89.4	90.1	90.8	91.5	92.2	92.2	92.2	92.2	92.2	92.2
0	87.2	87.9	88.7	89.4	90.1	90.8	91.5	92.2	92.2	92.2	92.2	92.2	92.2

TOTAL NUMBER OF OBSERVATIONS 141

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

FEB

MONTH

ALL
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		57.7	59.2	60.1	60.6	60.9	61.1	61.1	61.2	61.2	61.2	61.3	61.4	61.4
≥ 20000		62.9	64.6	65.6	66.1	66.5	66.7	66.7	66.8	66.8	66.8	66.8	66.9	67.0
≥ 18000		62.9	64.7	65.7	66.1	66.6	66.8	66.8	66.8	66.8	66.8	66.9	67.0	67.1
≥ 16000		62.9	64.7	65.7	66.1	66.6	66.8	66.8	66.8	66.8	66.8	66.9	67.0	67.1
≥ 14000		63.0	64.8	65.8	66.2	66.7	66.8	66.8	66.9	66.9	66.9	67.0	67.1	67.2
≥ 12000		63.6	65.4	66.4	66.8	67.3	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.8
≥ 10000		65.3	67.2	68.3	68.7	69.2	69.3	69.3	69.4	69.4	69.4	69.5	69.6	69.7
≥ 9000		65.4	67.3	68.4	68.8	69.2	69.4	69.4	69.5	69.5	69.5	69.6	69.7	69.8
≥ 8000		68.9	70.7	71.8	72.3	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.2	73.3
≥ 7000		70.0	71.9	73.0	73.5	73.9	74.1	74.1	74.2	74.2	74.2	74.3	74.4	74.5
≥ 6000		70.3	72.2	73.2	73.8	74.2	74.4	74.4	74.5	74.5	74.5	74.6	74.7	74.7
≥ 5000		70.7	72.5	73.6	74.1	74.6	74.7	74.7	74.8	74.8	74.8	74.9	75.0	75.1
≥ 4500		71.0	72.9	73.9	74.5	74.9	75.1	75.1	75.2	75.2	75.2	75.3	75.4	75.4
≥ 4000		72.4	74.5	75.5	76.1	76.5	76.8	76.8	76.9	76.9	76.9	77.0	77.0	77.1
≥ 3500		73.1	75.3	76.4	77.0	77.4	77.7	77.7	77.8	77.8	77.8	77.8	77.9	78.0
≥ 3000		75.4	77.8	79.1	79.8	80.2	80.6	80.6	80.8	80.8	80.8	80.9	80.9	81.0
≥ 2500		78.0	80.7	82.2	82.9	83.3	83.7	83.8	84.0	84.0	84.0	84.1	84.2	84.3
≥ 2000		79.2	81.8	83.3	84.0	84.6	84.9	85.0	85.2	85.2	85.2	85.4	85.5	85.6
≥ 1800		79.4	82.1	83.6	84.3	84.8	85.2	85.3	85.5	85.5	85.5	85.6	85.7	85.8
≥ 1500		80.5	83.4	85.5	86.4	86.9	87.2	87.3	87.6	87.6	87.6	87.8	87.9	87.9
≥ 1200		81.0	84.2	86.5	87.5	88.0	88.4	88.5	88.7	88.7	88.7	88.9	89.0	89.1
≥ 1000		81.7	85.2	87.7	88.7	89.3	89.6	89.8	90.2	90.2	90.2	90.3	90.4	90.5
≥ 900		81.7	85.3	87.9	88.9	89.5	89.8	90.0	90.3	90.3	90.3	90.5	90.6	90.7
≥ 800		81.9	85.6	88.6	89.6	90.2	90.6	91.0	91.4	91.4	91.4	91.6	91.7	91.8
≥ 700		82.5	86.5	89.8	91.1	91.7	92.2	92.6	93.0	93.0	93.0	93.2	93.3	93.4
≥ 600		82.8	87.3	90.8	92.0	92.6	93.4	93.7	94.2	94.2	94.2	94.3	94.4	94.6
≥ 500		83.0	87.7	91.5	92.9	93.5	94.8	95.2	95.7	95.7	95.7	96.0	96.1	96.3
≥ 400		83.0	87.8	91.9	93.4	94.0	95.3	95.6	96.4	96.5	96.5	96.7	97.0	97.3
≥ 300		83.2	87.9	92.6	94.1	94.9	96.4	97.1	97.7	97.7	97.9	98.4	98.8	99.0
≥ 200		83.2	87.9	92.6	94.2	95.0	96.5	97.2	97.7	97.8	98.1	98.4	99.1	99.4
≥ 100		83.2	87.9	92.6	94.2	95.0	96.5	97.2	97.8	98.1	98.1	98.8	99.2	99.6
≥ 0		83.2	87.9	92.6	94.2	95.0	96.5	97.2	97.8	98.1	98.1	98.9	99.2	100.0

1128

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMCS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		55.3	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 18000		61.3	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000		61.9	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000		61.9	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 12000		61.9	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000		63.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000		63.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
8000		68.4	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
7000		68.4	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
6000		69.0	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
5000		71.0	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
4500		72.9	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
4000		74.8	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
3500		76.1	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
3000		77.4	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
2500		78.1	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
2000		78.1	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
1800		79.4	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
1500		79.4	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
1200		81.9	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
1000		81.9	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
900		83.2	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
800		83.2	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
700		83.2	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
600		83.2	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
500		83.2	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
400		83.2	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
300		83.2	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
200		83.2	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
100		83.2	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
0		83.2	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0

155

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING											
≥ 20000											
≥ 18000											
≥ 16000											
≥ 14000											
≥ 12000											
≥ 10000											
≥ 9000											
≥ 8000											
≥ 7000											
≥ 6000											
≥ 5000											
≥ 4500											
≥ 4000											
≥ 3500											
≥ 3000											
≥ 2500											
≥ 2000											
≥ 1800											
≥ 1500											
≥ 1200											
≥ 1000											
≥ 900											
≥ 800											
≥ 700											
≥ 600											
≥ 500											
≥ 400											
≥ 300											
≥ 200											
≥ 100											
0											

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		37.4	39.4	41.3	41.3	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
18000		45.8	47.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
16000		45.8	47.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
14000		45.8	47.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
12000		45.8	47.7	49.7	49.7	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
10000		50.3	52.3	54.2	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
9000		51.0	52.9	54.8	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
8000		54.8	56.8	58.7	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
7000		55.5	57.4	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
6000		55.5	57.4	59.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
5000		57.4	59.4	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
4500		57.4	59.4	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
4000		59.4	61.3	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
3500		60.0	61.9	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
3000		64.5	66.5	70.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
2500		65.8	68.4	72.3	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
2000		65.8	68.4	72.3	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
1800		66.5	69.0	73.6	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
1500		68.4	71.0	75.5	76.8	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
1200		69.0	72.3	76.8	78.1	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
1000		69.7	73.6	78.1	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
900		70.3	74.2	78.7	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
800		71.0	75.5	80.0	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
700		71.0	75.5	80.0	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
600		71.0	75.5	80.7	83.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
500		71.6	76.8	81.9	85.8	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
400		72.3	78.1	83.2	87.7	90.3	91.6	91.6	91.6	92.3	92.3	92.3	92.3
300		72.3	78.7	83.9	88.4	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.2
200		72.3	78.7	83.9	88.4	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.2
100		72.3	78.7	83.9	88.4	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.2
0		72.3	78.7	83.9	88.4	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 18000		51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000		51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000		51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000		51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 10000		52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 9000		55.5	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000		55.5	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 7000		60.0	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000		60.7	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000		61.3	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4500		61.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 4000		61.9	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 3500		63.9	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3000		65.2	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 2500		68.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 2000		71.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1800		72.9	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1500		72.9	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1200		75.5	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1000		76.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 900		78.7	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 800		79.4	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 700		79.4	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 600		79.4	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 500		79.4	84.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 400		79.4	84.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 300		80.0	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 200		80.0	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 100		80.0	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 0		80.0	85.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	1.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 20000	1.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	1.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 16000	1.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 14000	1.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 12000	1.3	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 10000	1.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	1.3	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
8000	1.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
7000	1.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
6000	1.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
5000	1.3	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
4500	1.3	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
4000	1.3	64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
3500	1.3	65.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
3000	1.9	72.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
2500	1.9	76.1	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
2000	1.9	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
1800	1.9	80.7	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
1500	1.9	85.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
1200	1.9	85.2	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
1000	1.9	86.5	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
900	1.9	87.1	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
800	1.9	87.1	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
700	1.9	87.1	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
600	1.9	87.1	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
500	1.9	88.4	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
400	1.9	88.4	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
300	1.9	88.4	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
200	1.9	88.4	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
100	1.9	88.4	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0	1.9	88.4	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

MAR
MONTH

16

HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	.7	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 18000	.7	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	.7	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 12000	.7	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 10000	.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	1.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	1.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	1.3	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	1.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4500	1.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	1.3	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500	1.3	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3000	1.9	80.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 2500	1.9	85.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	1.9	86.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	1.9	86.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	1.9	91.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	1.9	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	1.9	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	1.9	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 800	1.9	91.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 700	1.9	92.3	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 600	1.9	92.3	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	1.9	92.3	94.8	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	1.9	92.3	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	1.9	92.3	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	1.9	92.3	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	1.9	92.3	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 0	1.9	92.3	94.8	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

MAR
MONTH

19

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	7	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	7	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	7	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	7	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	7	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 9000	7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	7	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 7000	7	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 6000	7	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	7	67.7	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500	7	68.4	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4000	7	70.3	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500	7	71.6	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000	7	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	1.3	79.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	1.3	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	1.3	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	1.3	85.2	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200	1.3	85.2	87.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1000	1.3	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 900	1.3	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 800	1.3	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 700	1.3	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 600	1.3	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 500	1.3	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 400	1.3	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 300	1.3	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 200	1.3	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 100	1.3	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
0	1.3	86.5	89.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6

TOTAL NUMBER OF OBSERVATIONS

155

AD-A060 993

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) NEW RIVE--ETC(U)
JUL 78

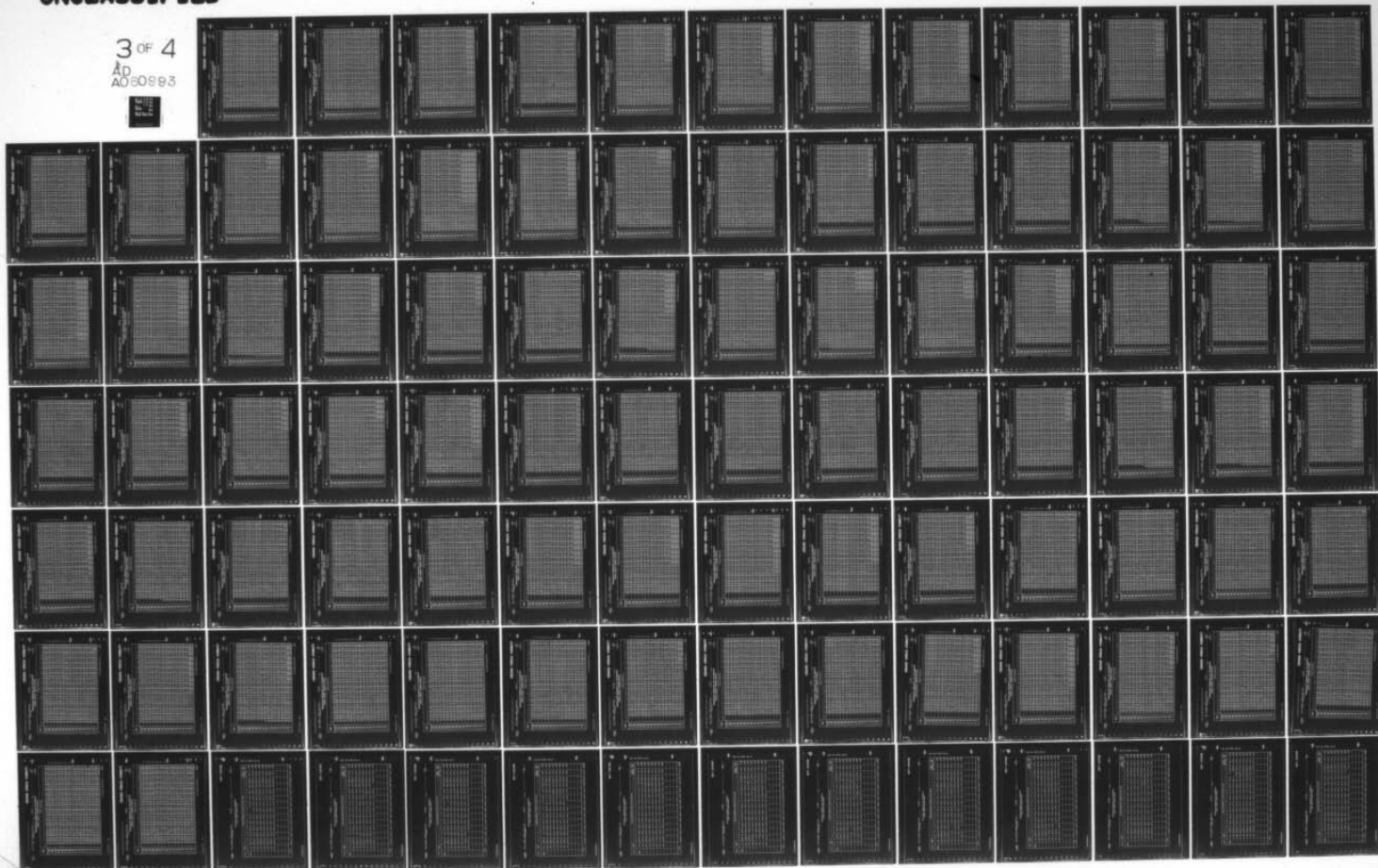
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3 OF 4

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CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

MAR

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		60.7	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000		66.5	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 18000		66.5	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 16000		66.5	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 14000		66.5	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000		67.1	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000		68.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000		68.4	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000		72.3	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000		73.6	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000		73.6	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000		76.8	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500		76.8	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000		76.8	78.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500		78.1	80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3000		79.4	81.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500		80.0	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000		81.3	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1800		81.3	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1500		81.3	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1200		81.3	84.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000		81.3	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 900		83.2	87.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 800		83.9	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 700		83.9	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 600		83.9	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 500		83.9	87.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 400		83.9	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 300		83.9	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 200		83.9	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 100		83.9	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
0		83.9	89.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

MAR

STATION

STATION NAME

YEARS

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	.3	47.0	48.2	48.8	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	.3	55.2	56.3	56.9	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 18000	.3	55.6	56.7	57.4	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	.3	55.6	56.7	57.4	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	.3	55.7	56.9	57.6	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 12000	.3	56.5	57.6	58.3	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 10000	.3	59.4	60.6	61.4	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 9000	.3	59.5	60.7	61.5	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 8000	.4	63.6	65.0	65.9	66.0	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 7000	.4	64.6	66.0	66.9	66.9	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 6000	.4	64.8	66.3	67.2	67.3	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	.4	66.5	68.2	69.2	69.3	69.4	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4500	.4	66.9	68.6	69.6	69.7	69.8	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	.4	68.6	70.5	71.6	71.7	71.8	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 3500	.4	69.4	71.4	72.3	72.6	72.7	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3000	.6	73.6	75.9	77.1	77.3	77.5	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 2500	.7	75.7	78.4	79.8	80.1	80.2	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	.7	77.2	80.0	81.5	81.8	81.9	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1800	.7	77.3	80.1	81.5	81.9	82.0	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	.7	79.8	83.0	84.5	84.8	85.0	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1200	.7	80.1	83.5	85.2	85.5	85.7	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	.7	81.5	85.6	87.5	88.1	88.3	89.0	89.1	89.1	89.2	89.2	89.3	89.3	89.3
≥ 900	.7	81.9	86.1	88.0	88.6	88.9	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8
≥ 800	.7	82.2	86.5	88.6	89.3	89.6	90.7	90.7	90.7	90.8	90.8	90.9	90.9	90.9
≥ 700	.7	82.3	86.6	88.9	89.5	90.2	90.6	91.8	91.8	91.9	91.9	91.9	91.9	91.9
≥ 600	.7	82.4	87.0	89.5	90.6	91.1	91.5	92.7	93.0	93.2	93.2	93.2	93.2	93.2
≥ 500	.7	82.7	87.7	90.6	92.4	93.0	94.4	94.9	94.9	95.2	95.2	95.2	95.2	95.2
≥ 400	.7	82.9	88.2	91.4	93.6	94.3	95.9	96.6	96.6	97.0	97.0	97.1	97.1	97.2
≥ 300	.7	82.9	88.2	91.5	93.7	94.7	96.6	97.5	97.5	97.9	97.9	98.1	98.1	98.2
≥ 200	.7	82.9	88.2	91.5	93.7	94.7	96.6	97.6	97.6	98.2	98.2	98.5	98.5	98.6
≥ 100	.7	82.9	88.2	91.5	93.7	94.7	96.6	97.6	97.6	98.2	98.2	98.7	98.7	99.0
≥ 0	.7	82.9	88.2	91.5	93.7	94.7	96.6	97.6	97.6	98.2	98.2	98.7	98.7	99.0

1240

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEAR

APR
MONTH

01
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	77	70.0	72.0	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 20000	77	76.0	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 18000	77	76.0	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 16000	77	76.0	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 14000	77	76.0	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 12000	77	76.0	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
10000	77	77.3	80.0	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
9000	77	77.3	80.0	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
8000	77	78.7	81.3	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
7000	77	79.3	82.0	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
6000	77	80.0	82.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
5000	77	80.0	82.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
4500	77	80.0	82.7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
4000	77	80.7	83.3	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
3500	77	81.3	84.0	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
3000	77	82.7	85.3	86.7	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
2500	77	84.0	87.3	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
2000	77	84.7	88.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
1800	77	84.7	88.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
1500	77	84.7	88.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
1200	77	85.3	90.0	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1000	77	86.0	91.3	93.3	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7
900	77	86.0	91.3	94.0	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3
800	77	86.0	91.3	94.0	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3
700	77	86.0	91.3	94.0	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3	95.3
600	77	86.0	91.3	94.7	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
500	77	86.0	92.0	96.0	96.7	96.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7
400	77	86.0	92.0	96.0	98.0	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0
300	77	86.0	92.0	96.0	98.0	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0
200	77	86.0	92.0	96.0	98.0	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0
100	77	86.0	92.0	96.0	98.0	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0
0	77	86.0	92.0	96.0	98.0	98.0	98.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

APR
MONTH

04
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING											
≥ 20000		63.3	68.7	70.0	70.7	70.7	71.3	72.0	72.0	72.0	72.0
≥ 18000		65.3	70.7	72.7	73.3	73.3	74.0	74.7	74.7	74.7	74.7
≥ 16000		65.3	70.7	72.7	73.3	73.3	74.0	74.7	74.7	74.7	74.7
≥ 14000		65.3	70.7	72.7	73.3	73.3	74.0	74.7	74.7	74.7	74.7
≥ 12000		65.3	70.7	72.7	73.3	73.3	74.0	74.7	74.7	74.7	74.7
10000		66.0	71.3	73.3	74.0	74.0	74.7	75.3	75.3	75.3	75.3
9000		66.0	71.3	73.3	74.0	74.0	74.7	75.3	75.3	75.3	75.3
8000		67.3	73.3	75.3	76.0	76.0	76.7	77.3	77.3	77.3	77.3
7000		68.7	74.7	76.7	77.3	77.3	78.0	78.7	78.7	78.7	78.7
6000		68.7	74.7	76.7	77.3	77.3	78.0	78.7	78.7	78.7	78.7
5000		68.7	74.7	76.7	77.3	77.3	78.0	78.7	78.7	78.7	78.7
4500		68.7	74.7	76.7	77.3	77.3	78.0	78.7	78.7	78.7	78.7
4000		69.3	75.3	77.3	78.0	78.0	78.7	79.3	79.3	79.3	79.3
3500		71.3	77.3	80.0	80.7	80.7	81.3	82.0	82.0	82.0	82.0
3000		74.0	80.0	82.7	83.3	83.3	84.0	84.7	84.7	84.7	84.7
2500		76.0	82.0	85.3	86.0	86.0	86.7	87.3	87.3	87.3	87.3
2000		77.3	83.3	87.3	88.0	88.0	88.7	89.3	89.3	89.3	89.3
1800		77.3	83.3	87.3	88.0	88.0	88.7	89.3	89.3	89.3	89.3
1500		78.7	84.7	88.7	89.3	89.3	90.0	90.7	90.7	90.7	90.7
1200		79.3	85.3	89.3	90.0	90.0	90.7	91.3	91.3	91.3	91.3
1000		81.3	88.7	92.7	93.3	93.3	94.0	94.7	94.7	94.7	94.7
900		81.3	88.7	92.7	93.3	93.3	94.0	94.7	94.7	94.7	94.7
800		81.3	88.7	92.7	93.3	93.3	94.0	94.7	94.7	94.7	94.7
700		82.0	89.3	93.3	94.0	94.0	94.7	95.3	95.3	95.3	95.3
600		82.0	89.3	93.3	94.0	94.0	94.7	95.3	95.3	95.3	95.3
500		82.0	89.3	94.7	96.0	96.0	96.7	97.3	97.3	97.3	97.3
400		82.0	89.3	94.7	96.0	96.0	96.7	97.3	97.3	97.3	97.3
300		82.0	89.3	94.7	96.0	96.0	96.7	97.3	97.3	97.3	97.3
200		82.0	89.3	94.7	96.0	96.0	96.7	97.3	97.3	97.3	97.3
100		82.0	89.3	94.7	96.0	96.0	96.7	97.3	97.3	97.3	97.3
0		82.0	89.3	94.7	96.0	96.0	96.7	97.3	97.3	97.3	97.3

150

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEAR

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	1.3	56.0	60.7	62.0	62.0	62.0	62.0	62.7	62.7	62.7	62.7	62.7	62.7
≥ 20000	1.3	61.3	67.3	70.0	70.0	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	1.3	61.3	67.3	70.0	70.0	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7
≥ 16000	1.3	61.3	67.3	70.0	70.0	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7
≥ 14000	1.3	61.3	67.3	70.0	70.0	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	1.3	61.3	67.3	70.0	70.0	70.0	70.0	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000	1.3	63.3	69.3	72.0	72.0	72.0	72.0	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000	1.3	64.7	70.7	73.3	73.3	73.3	73.3	74.0	74.0	74.0	74.0	74.0	74.0
≥ 8000	1.3	68.0	74.7	78.0	78.0	78.0	78.0	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000	1.3	70.0	76.7	80.0	80.0	80.0	80.0	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	1.3	70.7	77.3	80.7	80.7	80.7	80.7	82.0	82.0	82.0	82.0	82.0	82.0
≥ 5000	1.3	71.3	78.0	81.3	82.0	82.0	82.0	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	1.3	72.0	78.7	82.0	82.7	82.7	83.3	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4000	1.3	72.7	80.0	83.3	84.0	84.0	84.7	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500	1.3	74.0	81.3	84.7	85.3	85.3	86.0	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000	1.3	75.3	82.7	86.0	86.7	86.7	87.3	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2500	1.3	76.7	84.0	88.0	88.7	88.7	89.3	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	1.3	78.0	85.3	89.3	90.0	90.0	90.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	1.3	78.0	85.3	89.3	90.0	90.0	90.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	1.3	78.0	85.3	89.3	90.0	90.0	90.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200	1.3	78.7	86.0	90.0	90.7	90.7	92.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	1.3	79.3	87.3	91.3	92.0	92.0	93.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	1.3	79.3	87.3	91.3	92.0	92.0	93.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 800	1.3	80.0	88.0	92.7	93.3	93.3	94.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	1.3	80.0	88.0	92.7	93.3	93.3	94.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	1.3	80.0	88.0	92.7	93.3	93.3	94.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	1.3	80.0	88.0	93.3	94.0	94.0	95.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	1.3	80.0	88.0	93.3	94.0	94.0	95.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	1.3	80.0	88.0	93.3	94.7	94.7	96.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	1.3	80.0	88.0	93.3	94.7	94.7	96.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	1.3	80.0	88.0	93.3	94.7	94.7	96.0	98.7	98.7	98.7	98.7	98.7	98.7
0	1.3	80.0	88.0	93.3	94.7	94.7	96.0	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

APR

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	4.7	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	4.7	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
18000	4.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
16000	4.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
14000	4.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
12000	4.7	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
10000	4.7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
9000	4.7	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
8000	4.7	74.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
7000	4.7	76.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
6000	4.7	76.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
5000	4.7	77.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
4500	4.7	77.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
4000	4.7	79.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
3500	4.7	80.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
3000	4.7	81.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
2500	5.3	85.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
2000	5.3	88.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1800	5.3	88.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1500	5.3	88.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
1200	5.3	89.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
1000	5.3	90.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
900	5.3	90.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
800	5.3	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
700	5.3	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
600	5.3	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
500	5.3	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
400	5.3	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
300	5.3	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
200	5.3	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
100	5.3	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
0	5.3	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEAR

APR
MONTH

13

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	5.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 20000	7.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 18000	7.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 16000	7.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 14000	7.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 12000	7.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 10000	7.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 9000	7.3	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	7.3	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	7.3	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 6000	7.3	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 5000	7.3	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	7.3	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000	7.3	76.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	7.3	79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	7.3	83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	8.0	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	8.0	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1800	8.0	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1500	8.0	92.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	8.0	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	8.0	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	8.0	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	8.0	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	8.0	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	8.0	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	8.0	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	8.0	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	8.0	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	8.0	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	8.0	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	8.0	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

APR
MONTH

16

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	5.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	6.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
18000	6.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 16000	6.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
14000	6.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 12000	6.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
10000	6.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 9000	6.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
8000	6.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000	6.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
6000	6.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000	6.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
4500	6.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	7.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
3500	7.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3000	8.7	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
2500	9.3	88.0	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2000	9.3	90.7	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
1800	9.3	90.7	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500	9.3	92.7	93.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
1200	9.3	94.7	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	9.3	94.7	95.3	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
900	9.3	95.3	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	9.3	95.3	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
700	9.3	95.3	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	9.3	95.3	96.0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
500	9.3	95.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	9.3	95.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	9.3	95.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	9.3	95.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	9.3	95.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	9.3	95.3	96.7	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

APR
MONTH

19
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	4.0	61.3	63.3	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 20000	4.7	70.0	72.7	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 18000	4.7	70.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 16000	4.7	70.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 14000	4.7	70.7	73.3	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 12000	4.7	71.3	74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 10000	4.7	73.3	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 9000	4.7	73.3	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 8000	4.7	76.7	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 7000	4.7	77.3	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	4.7	78.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	4.7	80.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	4.7	80.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	4.7	81.3	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	4.7	82.0	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	4.7	86.7	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2500	4.7	87.3	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	4.7	90.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800	4.7	90.0	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500	4.7	90.7	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	4.7	90.7	94.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	4.7	90.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	4.7	90.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	4.7	90.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700	4.7	90.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	4.7	90.7	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	4.7	90.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	4.7	91.3	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	4.7	91.3	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	4.7	91.3	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	4.7	91.3	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	4.7	91.3	96.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

APR
MONTH

22
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	.7	73.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 20000	.7	78.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 18000	.7	78.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 16000	.7	78.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 14000	.7	78.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 12000	.7	78.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 10000	.7	80.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 9000	.7	80.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 8000	.7	83.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 7000	.7	83.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 6000	.7	83.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 5000	.7	83.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4500	.7	83.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4000	.7	84.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 3500	.7	85.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000	.7	87.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500	.7	88.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 2000	.7	88.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	.7	88.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	.7	89.3	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	.7	89.3	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	.7	89.3	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	.7	89.3	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	.7	90.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	.7	90.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	.7	90.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500	.7	90.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	.7	90.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	.7	90.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200	.7	90.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100	.7	90.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 0	.7	90.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

150

TOTAL NUMBER OF OBSERVATIONS

DI:NAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	2.8	62.3	64.4	65.0	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 20000	3.2	67.9	70.5	71.3	71.5	71.5	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 18000	3.2	68.1	70.7	71.5	71.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 16000	3.2	68.1	70.7	71.5	71.7	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 14000	3.3	68.3	70.9	71.8	71.9	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 12000	3.3	68.5	71.1	71.9	72.1	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	3.3	70.4	73.0	73.8	74.0	74.0	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 9000	3.3	70.7	73.4	74.3	74.4	74.4	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 8000	3.3	74.1	77.3	78.2	78.3	78.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	3.3	75.0	78.3	79.2	79.3	79.3	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 6000	3.3	75.3	78.6	79.5	79.7	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	3.3	76.2	79.4	80.3	80.6	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4500	3.3	76.3	79.5	80.4	80.7	80.7	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 4000	3.3	77.8	81.1	82.0	82.3	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	3.3	78.9	82.3	83.3	83.5	83.5	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	3.5	81.8	85.3	86.4	86.7	86.7	86.8	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	3.8	84.0	87.7	89.0	89.3	89.3	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2000	3.8	86.0	89.8	91.3	91.5	91.5	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1800	3.8	86.0	89.8	91.3	91.5	91.5	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500	3.8	86.9	90.8	92.6	92.9	92.9	93.2	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	3.8	87.6	91.6	93.3	93.7	93.7	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	3.8	88.3	92.8	94.7	95.2	95.3	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	3.8	88.4	93.0	95.0	95.5	95.6	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	3.8	88.8	93.4	95.6	96.2	96.3	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	3.8	88.9	93.6	95.8	96.3	96.4	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	3.8	88.9	93.6	96.0	96.8	96.8	97.2	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	3.8	88.9	93.9	96.7	97.9	97.8	98.4	99.1	99.1	99.3	99.3	99.3	99.3	99.3
≥ 400	3.8	89.0	94.0	96.8	97.9	98.1	98.8	99.4	99.4	99.8	99.8	99.8	99.8	99.8
≥ 300	3.8	89.0	94.0	96.8	98.0	98.2	98.8	99.5	99.5	99.8	99.8	99.8	99.8	99.8
≥ 200	3.8	89.0	94.0	96.8	98.0	98.2	98.8	99.5	99.5	99.8	99.8	99.8	99.8	99.8
≥ 100	3.8	89.0	94.0	96.8	98.0	98.2	98.9	99.6	99.6	99.9	99.9	99.9	99.9	99.9
≥ 0	3.8	89.0	94.0	96.8	98.0	98.2	98.9	99.6	99.6	99.9	99.9	99.9	99.9	99.9

1200

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 20000	.7	56.1	63.9	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	.7	58.7	67.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000	.7	58.7	67.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000	.7	58.7	67.1	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 12000	.7	59.4	67.7	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	.7	60.7	69.0	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 9000	.7	61.3	69.7	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 8000	.7	63.2	71.6	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 7000	.7	63.9	72.3	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	.7	63.9	72.3	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000	.7	65.8	74.2	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	.7	65.8	74.2	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000	.7	66.5	75.5	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3500	.7	67.1	76.1	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	.7	67.7	78.1	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	.7	68.4	80.0	83.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	.7	69.7	81.3	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800	.7	69.7	81.3	85.8	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500	.7	71.0	83.9	88.4	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1200	.7	71.0	83.9	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 1000	.7	72.3	85.2	91.0	93.6	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 900	.7	72.3	85.2	92.3	94.8	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	.7	72.9	85.8	93.6	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	.7	73.6	86.5	94.2	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	.7	73.6	86.5	94.2	96.8	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4
≥ 500	.7	74.2	87.1	94.8	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	.7	74.2	87.1	94.8	98.1	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	.7	74.2	87.1	94.8	98.1	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	.7	74.2	87.7	95.5	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	.7	74.2	87.7	95.5	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
0	.7	74.2	87.7	95.5	98.7	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000		43.5	52.6	55.2	57.1	57.8	59.7	59.7	59.7	60.4	61.0	61.0	61.7	61.7
≥ 18000		44.2	53.3	56.5	59.1	59.7	61.7	61.7	61.7	62.3	63.0	63.0	63.6	63.6
≥ 16000		44.2	53.3	56.5	59.1	59.7	61.7	61.7	61.7	62.3	63.0	63.0	63.6	63.6
≥ 14000		44.2	53.3	56.5	59.1	59.7	61.7	61.7	61.7	62.3	63.0	63.0	63.6	63.6
≥ 12000		44.2	53.3	56.5	59.1	59.7	61.7	61.7	61.7	62.3	63.0	63.0	63.6	63.6
≥ 10000		46.1	55.2	58.4	61.0	61.7	63.6	63.6	63.6	64.3	64.9	64.9	65.6	65.6
≥ 9000		46.1	55.2	58.4	61.0	61.7	63.6	63.6	63.6	64.3	64.9	64.9	65.6	65.6
≥ 8000		50.7	59.7	63.6	66.9	67.5	69.5	69.5	69.5	70.1	70.8	70.8	71.4	71.4
≥ 7000		51.3	60.4	64.3	67.5	68.2	70.1	70.1	70.1	70.8	71.4	71.4	72.1	72.1
≥ 6000		52.0	61.0	64.9	68.2	68.8	70.8	70.8	70.8	71.4	72.1	72.1	72.7	72.7
≥ 5000		53.9	63.0	67.5	70.8	71.4	73.4	73.4	73.4	74.0	74.7	74.7	75.3	75.3
≥ 4500		54.6	63.6	68.2	71.4	72.1	74.0	74.0	74.0	74.7	75.3	75.3	76.0	76.0
≥ 4000		55.2	64.9	69.5	73.4	74.0	76.0	76.0	76.0	76.6	77.3	77.3	77.9	77.9
≥ 3500		55.8	65.6	70.1	74.0	74.7	76.6	76.6	76.6	77.3	77.9	77.9	78.6	78.6
≥ 3000		57.1	67.5	72.1	76.6	77.3	79.2	79.2	79.2	79.9	80.5	80.5	81.2	81.2
≥ 2500		57.1	69.5	74.0	78.6	79.2	81.2	81.2	81.2	82.5	83.1	83.1	83.8	83.8
≥ 2000		58.4	71.4	76.0	80.5	81.2	83.1	83.1	83.1	84.4	85.1	85.1	85.7	85.7
≥ 1800		58.4	71.4	76.0	80.5	81.2	83.1	83.1	83.1	84.4	85.1	85.1	85.7	85.7
≥ 1500		58.4	72.1	76.6	82.5	83.1	85.1	85.1	85.1	86.4	87.0	87.0	87.7	87.7
≥ 1200		58.4	72.1	76.6	82.5	83.1	85.1	85.1	85.1	86.4	87.0	87.0	87.7	87.7
≥ 1000		59.7	74.0	78.6	85.1	85.7	87.7	87.7	87.7	89.0	89.6	89.6	90.3	90.3
≥ 900		59.7	74.0	78.6	85.1	85.7	87.7	87.7	87.7	89.0	89.6	89.6	90.3	90.3
≥ 800		60.4	74.7	79.9	86.4	87.0	89.0	89.0	89.0	90.3	90.9	90.9	91.6	91.6
≥ 700		60.4	74.7	79.9	86.4	87.0	89.0	89.0	89.0	90.3	90.9	90.9	91.6	91.6
≥ 600		60.4	74.7	79.9	86.4	87.0	89.0	89.0	89.0	90.3	90.9	90.9	91.6	91.6
≥ 500		60.4	74.7	81.2	87.7	88.3	90.9	90.9	90.9	92.2	92.9	92.9	93.5	93.5
≥ 400		60.4	74.7	81.2	87.7	88.3	90.9	90.9	90.9	92.2	92.9	92.9	93.5	93.5
≥ 300		60.4	74.7	82.5	89.0	89.6	92.2	92.2	92.2	93.5	94.2	94.2	94.8	94.8
≥ 200		60.4	74.7	82.5	89.0	89.6	92.2	92.2	92.2	93.5	94.2	94.2	94.8	94.8
≥ 100		60.4	74.7	82.5	89.0	89.6	92.2	92.2	92.2	93.5	94.2	94.2	94.8	94.8
≥ 0		60.4	74.7	82.5	89.0	89.6	92.2	92.2	92.2	93.5	94.2	94.2	94.8	94.8

154

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	1.3	34.2	40.0	45.2	46.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	1.3	37.4	44.5	49.7	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	1.3	37.4	44.5	49.7	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	1.3	37.4	44.5	49.7	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	1.3	37.4	44.5	49.7	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	1.3	38.7	45.8	51.0	52.3	52.3	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	1.3	44.5	51.6	56.8	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	1.3	44.5	51.6	56.8	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	1.3	49.0	56.1	61.3	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	1.3	51.0	58.1	63.2	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	1.3	51.0	58.1	63.2	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000	1.3	51.0	58.1	63.2	64.5	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	1.3	51.6	58.7	63.9	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 4000	1.3	51.6	58.7	63.9	65.2	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3500	1.3	54.2	61.3	66.5	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3000	1.3	58.7	67.7	73.6	74.8	74.8	76.1	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	1.3	60.7	69.7	76.1	77.4	77.4	78.7	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2000	1.3	60.7	70.3	76.8	78.7	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1800	1.3	60.7	70.3	76.8	78.7	78.7	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	1.3	60.7	71.0	77.4	79.4	80.0	81.3	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1200	1.3	60.7	71.0	78.1	80.0	80.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1000	1.3	60.7	71.6	78.7	81.3	81.9	83.2	83.9	83.9	83.9	83.9	83.9	83.9
≥ 900	1.3	61.3	72.9	80.0	82.6	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	1.3	62.6	74.2	81.3	83.9	84.5	85.8	86.5	86.5	86.5	86.5	86.5	86.5
≥ 700	1.3	63.2	75.5	83.2	85.8	86.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 600	1.3	63.2	75.5	83.9	87.7	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3
≥ 500	1.3	63.9	76.8	85.2	89.0	89.7	91.0	92.3	92.3	92.3	92.3	92.3	92.3
≥ 400	1.3	63.9	76.8	85.2	89.7	90.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9
≥ 300	1.3	63.9	76.8	85.2	90.3	91.0	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 200	1.3	63.9	76.8	85.2	90.3	91.0	93.6	94.2	94.2	94.2	94.2	94.2	94.2
≥ 100	1.3	63.9	76.8	85.2	90.3	91.0	93.6	94.2	94.2	94.2	94.2	94.2	94.2
0	1.3	63.9	76.8	85.2	90.3	91.0	93.6	94.2	94.2	94.2	94.2	94.2	94.2

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	2.6	43.9	45.8	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	2.6	47.1	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0
18000	2.6	47.1	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0
16000	2.6	47.1	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0
14000	2.6	47.1	49.7	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0
12000	2.6	47.1	51.0	51.6	52.3	52.3	52.3	52.3	52.3	52.3	52.3
10000	2.6	50.3	54.2	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5
9000	2.6	50.3	54.2	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5
8000	2.6	55.5	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3
7000	2.6	57.4	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2
6000	2.6	57.4	61.9	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2
5000	2.6	58.1	62.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
4500	2.6	58.1	62.6	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
4000	3.2	59.4	63.9	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2
3500	3.2	61.3	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1
3000	3.9	67.1	71.6	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9
2500	3.9	74.2	79.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2000	3.9	77.4	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1800	3.9	77.4	83.2	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1500	3.9	81.9	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1200	3.9	83.9	90.3	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1000	3.9	86.5	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
900	3.9	86.5	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8
800	3.9	86.5	94.2	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
700	3.9	86.5	94.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	3.9	86.5	94.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500	3.9	86.5	94.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	3.9	86.5	94.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	3.9	86.5	94.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	3.9	86.5	94.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	3.9	86.5	94.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	3.9	86.5	94.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	2.6	39.4	40.0	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	3.2	43.2	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 18000	3.2	43.9	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 16000	3.2	43.9	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 14000	3.2	43.9	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 12000	3.2	44.5	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 10000	3.2	49.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000	3.2	49.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 8000	3.2	52.3	54.2	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	3.2	54.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 6000	3.2	56.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	3.2	56.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4500	3.2	56.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 4000	3.2	58.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 3500	3.2	59.4	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 3000	3.9	69.7	71.6	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500	3.9	78.1	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2000	3.9	83.2	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	3.9	83.2	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	3.9	89.0	91.0	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	3.9	89.7	91.6	92.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	3.9	91.0	92.9	94.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	3.9	91.0	92.9	94.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	3.9	91.0	92.9	94.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	3.9	91.0	92.9	94.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	3.9	91.6	93.6	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	3.9	91.6	93.6	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	3.9	91.6	93.6	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	3.9	91.6	93.6	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	3.9	91.6	93.6	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	3.9	91.6	93.6	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	3.9	91.6	93.6	95.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

135

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

MAY
MONTH

16
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 0
NO CEILING	2.6	41.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	5.8	54.2	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 18000	5.8	54.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000	5.8	54.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000	5.8	54.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	5.8	54.8	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	5.8	56.8	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	5.8	56.8	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 8000	5.8	63.9	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	5.8	66.5	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 6000	5.8	66.5	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000	5.8	67.1	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	5.8	67.1	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000	5.8	67.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3500	5.8	67.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	5.6	76.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	5.8	81.3	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2000	5.8	83.9	87.1	88.4	89.0	89.0	89.7	89.7	89.7	89.7	89.7
≥ 1800	5.8	83.9	87.1	88.4	89.0	89.0	89.7	89.7	89.7	89.7	89.7
≥ 1500	5.8	89.0	92.9	94.2	94.8	94.8	95.5	95.5	95.5	95.5	95.5
≥ 1200	5.8	89.0	92.9	94.8	95.5	95.5	96.1	96.1	96.1	96.1	96.1
≥ 1000	5.8	89.7	94.2	96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7
≥ 900	5.8	89.7	94.8	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 800	5.8	89.7	94.8	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 700	5.8	89.7	94.8	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 600	5.8	89.7	94.8	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 500	5.8	89.7	94.8	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 400	5.8	89.7	94.8	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 300	5.8	89.7	94.8	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 200	5.8	89.7	94.8	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4
≥ 100	5.8	89.7	94.8	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4
0	5.8	89.7	94.8	97.4	98.7	98.7	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	1.9	47.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 20000	3.2	59.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 18000	3.2	59.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	3.2	59.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	3.2	60.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000	3.2	60.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10000	3.2	63.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000	3.2	64.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000	3.2	69.7	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 7000	3.2	74.2	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	3.2	74.8	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	3.2	74.8	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	3.2	76.1	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	3.2	78.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3500	3.2	78.7	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 3000	3.2	83.9	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	3.2	85.8	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	3.2	85.8	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	3.2	85.8	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	3.2	89.7	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1200	3.2	89.7	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	3.2	91.6	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	3.2	91.6	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	3.2	92.3	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	3.2	92.3	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	3.2	92.3	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	3.2	92.3	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	3.2	92.3	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	3.2	92.3	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	3.2	92.3	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	3.2	92.3	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	3.2	92.3	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

STATION

STATION NAME

YEARS

MAY

NORTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000	.7	60.0	63.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000	.7	61.9	65.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	.7	61.9	65.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000	.7	61.9	65.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000	.7	61.9	65.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000	.7	64.5	69.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000	.7	64.5	69.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000	.7	67.1	71.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000	.7	69.7	74.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	.7	69.7	74.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000	.7	71.0	75.5	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4500	.7	71.0	76.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4000	.7	71.0	76.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	.7	72.9	78.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000	.7	74.8	81.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	.7	78.7	85.2	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	.7	79.4	85.8	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	.7	80.0	86.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1500	.7	82.6	89.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1200	.7	82.6	89.0	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1000	.7	83.2	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900	.7	83.2	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	.7	83.2	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700	.7	83.2	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600	.7	83.2	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	.7	83.2	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	.7	83.2	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300	.7	83.2	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	.7	83.2	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 100	.7	83.2	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 0	.7	83.2	91.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	1.4	43.8	49.9	51.6	52.1	52.2	52.3	52.5	52.5	52.6	52.7	52.7	53.0
≥ 20000	2.2	50.8	55.5	57.6	58.2	58.3	58.6	58.6	58.6	58.7	58.8	58.8	59.0
18000	2.2	50.9	55.7	57.8	58.4	58.5	58.8	58.8	58.8	58.9	59.0	59.0	59.2
16000	2.2	50.9	55.7	57.8	58.4	58.5	58.8	58.8	58.8	58.9	59.0	59.0	59.2
14000	2.2	51.0	55.8	57.9	58.5	58.6	58.9	58.9	58.9	59.0	59.1	59.1	59.3
12000	2.2	51.5	56.3	58.4	59.1	59.2	59.5	59.5	59.5	59.6	59.6	59.6	59.9
10000	2.2	54.4	59.5	61.6	62.2	62.3	62.6	62.6	62.6	62.7	62.8	62.8	63.0
9000	2.2	54.6	59.7	61.8	62.5	62.6	62.9	62.9	62.9	63.0	63.0	63.0	63.3
8000	2.2	58.9	64.1	66.3	67.1	67.2	67.5	67.5	67.5	67.6	67.6	67.6	67.9
7000	2.2	61.1	66.3	68.5	69.3	69.3	69.7	69.7	69.7	69.7	69.8	69.8	70.1
6000	2.2	61.4	66.6	68.9	69.6	69.7	70.0	70.0	70.0	70.1	70.1	70.1	70.4
5000	2.2	62.2	67.4	69.7	70.5	70.5	70.9	70.9	70.9	71.0	71.0	71.0	71.3
4500	2.2	62.6	67.8	70.1	70.9	70.9	71.3	71.3	71.3	71.4	71.4	71.4	71.7
4000	2.3	63.6	69.1	71.4	72.2	72.3	72.6	72.6	72.6	72.7	72.8	72.8	73.0
3500	2.3	64.7	70.1	72.6	73.4	73.5	73.8	73.8	73.8	73.9	73.9	73.9	74.2
3000	2.4	69.4	75.6	78.1	79.1	79.2	79.6	79.7	79.7	79.7	79.8	79.8	80.1
2500	2.4	73.0	79.8	82.6	83.7	83.8	84.3	84.4	84.4	84.6	84.7	84.7	85.0
2000	2.4	74.8	81.9	84.9	86.4	86.4	86.9	87.1	87.1	87.3	87.3	87.3	87.7
1800	2.4	74.9	82.0	85.0	86.4	86.5	87.0	87.2	87.2	87.3	87.4	87.4	87.7
1500	2.4	77.8	85.4	88.4	90.2	90.4	90.9	91.0	91.0	91.2	91.3	91.3	91.6
1200	2.4	78.1	85.7	88.9	91.0	91.1	91.6	91.8	91.8	91.9	92.0	92.0	92.3
1000	2.4	79.3	87.5	91.2	93.5	93.7	94.3	94.5	94.5	94.7	94.8	94.8	95.2
900	2.4	79.4	87.7	91.6	94.0	94.1	94.7	94.9	94.9	95.1	95.2	95.2	95.6
800	2.4	79.8	88.1	92.3	94.6	94.8	95.4	95.7	95.7	95.9	96.0	96.0	96.4
700	2.4	80.0	88.5	92.7	95.2	95.3	96.1	96.4	96.4	96.5	96.6	96.6	97.0
600	2.4	80.1	88.5	92.9	95.5	95.6	96.4	96.7	96.7	96.9	96.9	96.9	97.3
500	2.4	80.2	88.9	93.4	96.1	96.2	97.0	97.3	97.3	97.5	97.6	97.6	98.1
400	2.4	80.2	88.9	93.5	96.3	96.5	97.3	97.7	97.7	97.8	97.9	97.9	98.4
300	2.4	80.2	88.9	93.5	96.5	96.7	97.7	98.0	98.0	98.2	98.3	98.3	98.9
200	2.4	80.2	88.9	93.6	96.6	96.9	97.9	98.2	98.2	98.6	98.6	98.6	99.4
100	2.4	80.2	88.9	93.6	96.6	96.9	98.0	98.3	98.3	98.7	98.8	98.8	99.6
0	2.4	80.2	88.9	93.6	96.6	96.9	98.0	98.3	98.3	98.7	98.8	98.9	99.7

1239

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

JUN

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		48.7	56.7	60.0	62.0	62.0	62.0	62.0	62.0	62.0	62.7	62.7	62.7
≥ 20000		54.0	63.3	67.3	69.3	69.3	69.3	69.3	69.3	69.3	70.0	70.0	70.0
AI 18000		54.0	63.3	67.3	69.3	69.3	69.3	69.3	69.3	69.3	70.0	70.0	70.0
AI 14000		54.0	63.3	67.3	69.3	69.3	69.3	69.3	69.3	69.3	70.0	70.0	70.0
AI 12000		54.7	64.0	68.0	70.0	70.0	70.0	70.0	70.0	70.0	70.7	70.7	70.7
AI 10000		55.3	64.7	69.3	71.3	71.3	71.3	71.3	71.3	71.3	72.0	72.0	72.0
AI 9000		59.3	68.7	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.7	76.7	76.7
AI 8000		59.3	68.7	74.0	76.0	76.0	76.0	76.0	76.0	76.0	76.7	76.7	76.7
AI 7000		60.7	70.7	77.3	80.0	80.0	80.0	80.0	80.0	80.0	80.7	80.7	80.7
AI 6000		64.0	74.0	81.3	84.0	84.0	84.0	84.0	84.0	84.0	84.7	84.7	84.7
AI 5000		64.0	74.0	81.3	84.0	84.0	84.0	84.0	84.0	84.0	84.7	84.7	84.7
AI 4500		64.0	74.0	81.3	84.0	84.0	84.0	84.0	84.0	84.0	84.7	84.7	84.7
AI 4000		66.0	76.0	83.3	86.0	86.0	86.0	86.0	86.0	86.0	86.7	86.7	86.7
AI 3500		66.0	76.0	83.3	86.0	86.0	86.0	86.0	86.0	86.0	86.7	86.7	86.7
AI 3000		66.0	76.0	84.0	87.3	87.3	87.3	87.3	87.3	87.3	88.0	88.0	88.0
AI 2500		67.3	77.3	86.7	90.0	90.0	90.0	90.0	90.0	90.0	90.7	90.7	90.7
AI 2000		68.7	78.7	88.0	91.3	91.3	91.3	91.3	91.3	91.3	92.0	92.0	92.0
AI 1800		68.7	78.7	88.0	91.3	91.3	91.3	91.3	91.3	91.3	92.0	92.0	92.0
AI 1500		68.7	78.7	89.3	92.7	92.7	92.7	92.7	92.7	92.7	93.3	93.3	93.3
AI 1200		69.3	79.3	90.0	93.3	93.3	93.3	93.3	93.3	93.3	94.0	94.0	94.0
AI 1000		71.3	81.3	92.7	96.0	96.0	96.0	96.0	96.0	96.0	97.3	97.3	97.3
AI 900		71.3	81.3	92.7	96.0	96.0	96.0	96.0	96.0	96.0	97.3	97.3	97.3
AI 800		71.3	81.3	92.7	96.0	96.0	96.0	96.0	96.0	96.0	97.3	97.3	97.3
AI 700		71.3	82.0	93.3	96.7	96.7	96.7	96.7	96.7	96.7	97.3	97.3	97.3
AI 600		71.3	82.7	94.0	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0
AI 500		71.3	82.7	94.0	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0
AI 400		71.3	82.7	94.0	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0
AI 300		71.3	82.7	94.0	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0
AI 200		71.3	82.7	94.0	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0
AI 100		71.3	82.7	94.0	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0
0		71.3	82.7	94.0	97.3	97.3	97.3	97.3	97.3	97.3	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		34.7	50.7	55.3	56.0	56.7	58.0	59.3	59.3	59.3	59.3	59.3	60.7	60.7
≥ 20000		40.0	56.7	62.7	63.3	64.0	65.3	66.7	66.7	66.7	66.7	66.7	68.0	68.0
18000		40.0	56.7	62.7	63.3	64.0	65.3	66.7	66.7	66.7	66.7	66.7	68.0	68.0
≥ 16000		40.0	56.7	62.7	63.3	64.0	65.3	66.7	66.7	66.7	66.7	66.7	68.0	68.0
14000		40.0	56.7	62.7	63.3	64.0	65.3	66.7	66.7	66.7	66.7	66.7	68.0	68.0
≥ 12000		40.7	57.3	63.3	64.0	64.7	66.0	67.3	67.3	67.3	67.3	67.3	68.7	68.7
10000		43.3	60.0	66.0	66.7	68.0	69.3	70.7	70.7	70.7	70.7	70.7	72.0	72.0
≥ 9000		43.3	60.0	66.0	66.7	68.0	69.3	70.7	70.7	70.7	70.7	70.7	72.0	72.0
8000		45.3	63.3	69.3	70.0	71.3	72.7	74.0	74.0	74.0	74.0	74.0	75.3	75.3
≥ 7000		46.0	64.0	70.7	71.3	72.7	74.0	75.3	75.3	75.3	75.3	75.3	76.7	76.7
6000		46.0	64.0	70.7	71.3	72.7	74.0	75.3	75.3	75.3	75.3	75.3	76.7	76.7
5000		46.7	64.7	71.3	72.0	73.3	74.7	76.0	76.0	76.0	76.0	76.0	77.3	77.3
4500		47.3	65.3	72.0	72.7	74.0	75.3	76.7	76.7	76.7	76.7	76.7	78.0	78.0
4000		47.3	66.7	73.3	74.0	75.3	76.7	78.0	78.0	78.0	78.0	78.0	79.3	79.3
3500		47.3	66.7	73.3	74.0	75.3	76.7	78.0	78.0	78.0	78.0	78.0	79.3	79.3
3000		48.7	68.0	74.7	75.3	76.7	78.0	79.3	79.3	79.3	79.3	79.3	80.7	80.7
2500		49.3	70.0	78.7	79.3	80.7	82.0	83.3	83.3	83.3	83.3	83.3	84.7	84.7
2000		52.0	73.3	82.0	82.7	84.0	86.0	87.3	87.3	87.3	87.3	87.3	88.7	88.7
1800		52.0	73.3	82.0	82.7	84.0	86.0	87.3	87.3	87.3	87.3	87.3	88.7	88.7
1500		53.3	74.7	84.0	85.3	86.7	88.7	90.7	90.7	90.7	90.7	90.7	92.0	92.0
1200		54.7	76.0	85.3	86.7	88.0	90.0	92.0	92.0	92.0	92.0	92.0	93.3	93.3
1000		55.3	76.7	86.7	88.0	89.3	92.0	94.0	94.0	94.0	94.0	94.0	95.3	95.3
900		55.3	76.7	86.7	88.0	89.3	92.0	94.0	94.0	94.0	94.0	94.0	95.3	95.3
800		56.0	77.3	87.3	88.7	90.0	92.7	94.7	94.7	94.7	94.7	94.7	96.0	96.0
700		56.0	77.3	88.0	89.3	90.7	93.3	95.3	95.3	95.3	95.3	95.3	96.7	96.7
600		56.0	77.3	88.0	89.3	90.7	93.3	95.3	95.3	95.3	95.3	95.3	96.7	96.7
500		56.0	77.3	88.0	89.3	90.7	93.3	95.3	95.3	95.3	95.3	95.3	96.7	96.7
400		56.0	78.0	88.7	90.0	91.3	94.0	96.0	96.0	96.0	96.0	96.0	98.0	98.0
300		56.0	78.0	88.7	90.0	91.3	94.0	96.0	96.0	96.0	96.0	96.0	98.0	98.0
200		56.0	78.0	88.7	90.0	92.0	94.7	96.7	96.7	96.7	96.7	96.7	98.0	98.0
100		56.0	78.0	88.7	90.0	92.0	94.7	96.7	96.7	96.7	96.7	96.7	98.0	98.0
0		56.0	78.0	88.7	90.0	92.0	94.7	96.7	96.7	96.7	96.7	96.7	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		33.3	42.0	44.7	47.3	48.0	48.0	48.7	48.7	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000		42.7	52.7	56.0	58.7	60.0	60.0	60.7	60.7	62.0	62.0	62.0	62.0	62.0	62.0
≥ 18000		42.7	52.7	56.0	58.7	60.0	60.0	60.7	60.7	62.0	62.0	62.0	62.0	62.0	62.0
≥ 16000		42.7	52.7	56.0	58.7	60.0	60.0	60.7	60.7	62.0	62.0	62.0	62.0	62.0	62.0
≥ 14000		42.7	52.7	56.0	58.7	60.0	60.0	60.7	60.7	62.0	62.0	62.0	62.0	62.0	62.0
≥ 12000		43.3	53.3	56.7	59.3	60.7	60.7	61.3	61.3	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000		46.7	57.3	60.7	63.3	64.7	64.7	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000		46.7	57.3	60.7	63.3	64.7	64.7	65.3	65.3	66.7	66.7	66.7	66.7	66.7	66.7
≥ 8000		49.3	60.7	64.7	67.3	68.7	68.7	69.3	69.3	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000		50.7	62.7	66.7	69.3	70.7	70.7	71.3	71.3	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000		50.7	62.7	66.7	69.3	70.7	70.7	71.3	71.3	72.7	72.7	72.7	72.7	72.7	72.7
≥ 5000		52.0	64.0	68.0	70.7	72.0	72.0	72.7	72.7	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4500		52.0	64.0	68.0	70.7	72.0	72.0	72.7	72.7	74.0	74.0	74.0	74.0	74.0	74.0
≥ 4000		52.7	64.7	68.7	71.3	72.7	72.7	73.3	73.3	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500		52.7	65.3	69.3	72.0	73.3	73.3	74.0	74.0	75.3	75.3	75.3	75.3	75.3	75.3
≥ 3000		53.3	66.0	70.0	72.7	74.0	74.0	74.7	74.7	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500		53.3	66.7	71.3	74.0	75.3	75.3	76.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000		54.7	68.0	72.7	75.3	76.7	76.7	77.3	77.3	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800		54.7	68.0	72.7	75.3	76.7	76.7	77.3	77.3	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500		56.0	70.7	76.0	78.7	80.0	80.0	81.3	81.3	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1200		56.7	71.3	77.3	80.0	81.3	81.3	82.7	82.7	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1000		57.3	73.3	79.3	82.0	83.3	83.3	84.7	84.7	86.0	86.0	86.0	86.0	86.0	86.0
≥ 900		57.3	73.3	79.3	82.0	84.0	84.0	85.3	85.3	86.7	86.7	86.7	86.7	86.7	86.7
≥ 800		57.3	73.3	79.3	82.0	84.0	84.0	85.3	85.3	86.7	86.7	86.7	86.7	86.7	86.7
≥ 700		57.3	74.0	80.0	84.0	85.3	85.3	86.7	86.7	88.0	88.0	88.0	88.0	88.0	88.0
≥ 600		57.3	74.0	80.0	84.0	85.3	85.3	86.7	86.7	88.0	88.0	88.0	88.0	88.0	88.0
≥ 500		58.7	76.0	82.0	88.0	89.3	89.3	90.7	90.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 400		58.7	76.0	82.0	88.0	89.3	89.3	90.7	90.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 300		58.7	76.7	82.7	89.3	90.7	90.7	92.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 200		58.7	76.7	82.7	89.3	90.7	90.7	92.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 100		58.7	76.7	82.7	89.3	90.7	90.7	92.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7
0		58.7	76.7	82.7	89.3	90.7	90.7	92.7	92.7	94.7	94.7	94.7	94.7	94.7	94.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		32.7	39.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000		40.7	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 18000		41.3	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000		41.3	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000		41.3	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 12000		41.3	49.3	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 10000		44.7	52.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 9000		44.7	52.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 8000		49.3	59.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 7000		49.3	59.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 6000		49.3	60.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 5000		49.3	60.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4500		50.0	60.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4000		50.7	61.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 3500		50.7	61.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 3000	.7	54.0	64.7	66.7	66.7	66.7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 2500	.7	57.3	68.7	70.7	71.3	71.3	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2000	1.3	64.0	75.3	77.3	78.7	78.7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1800	1.3	64.7	76.0	78.0	79.3	79.3	79.3	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	1.3	67.3	78.7	80.7	82.0	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1200	1.3	68.0	80.0	82.0	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1000	1.3	72.7	84.7	86.7	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 900	1.3	73.3	85.3	87.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 800	1.3	76.0	88.0	90.0	92.0	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 700	1.3	76.7	88.7	90.7	93.3	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 600	1.3	76.7	88.7	92.0	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	1.3	76.7	89.3	93.3	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	1.3	76.7	89.3	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300	1.3	76.7	89.3	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200	1.3	76.7	89.3	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100	1.3	76.7	89.3	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 0	1.3	76.7	89.3	94.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

73-77

NEW RIVER, NORTH CAROLINA

STATION

JUN

MONTH

YEARS

13

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	7	26.7	28.7	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
≥ 20000	7	38.0	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 18000	7	38.0	40.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 16000	7	38.0	40.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 14000	7	38.7	41.3	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 12000	7	40.0	42.7	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 10000	7	42.7	45.3	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 9000	7	42.7	46.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 8000	7	46.0	49.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 7000	7	46.0	49.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 6000	7	46.0	49.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 5000	7	46.0	49.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 4500	7	46.7	50.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 4000	7	47.3	50.7	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 3500	7	48.0	51.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 3000	2.0	54.0	58.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 2500	2.7	62.7	68.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 2000	3.3	70.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1800	3.3	70.7	76.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1500	3.3	74.0	82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1200	3.3	76.0	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1000	4.0	82.0	92.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	4.0	82.0	92.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	4.0	82.0	92.7	95.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 700	4.0	82.7	93.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600	4.0	83.3	94.7	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	4.0	83.3	95.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	4.0	83.3	95.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	4.0	83.3	95.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	4.0	83.3	95.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	4.0	83.3	95.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	4.0	83.3	95.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JUN
MONTH

16
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	7	30.7	31.3	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 20000	2.7	47.3	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
18000	2.7	48.7	49.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 16000	2.7	48.7	49.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
14000	2.7	49.3	50.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 12000	2.7	50.7	51.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
10000	3.3	55.3	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 9000	3.3	55.3	56.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
8000	3.3	58.0	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000	3.3	60.7	61.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
6000	3.3	60.7	61.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 5000	3.3	62.0	62.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
4500	3.3	62.0	62.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
4000	3.3	64.7	65.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
3500	3.3	64.7	65.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3000	3.3	69.3	70.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2500	3.3	72.7	73.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2000	3.3	77.3	78.7	81.3	81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0
1800	3.3	77.3	78.7	81.3	81.3	81.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1500	4.0	82.7	86.0	89.3	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7
1200	4.0	82.7	86.0	89.3	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1000	5.3	87.3	91.3	95.3	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
900	5.3	87.3	91.3	95.3	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	5.3	87.3	91.3	96.0	96.7	97.3	97.3	98.0	98.0	98.0	98.0	98.7	98.7
700	5.3	87.3	91.3	96.0	96.7	97.3	97.3	98.0	98.0	98.0	98.0	98.7	98.7
≥ 600	5.3	87.3	92.0	96.7	97.3	98.0	98.0	98.7	98.7	98.7	98.7	99.3	99.3
500	5.3	87.3	92.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0
≥ 400	5.3	87.3	92.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0
300	5.3	87.3	92.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0
≥ 200	5.3	87.3	92.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0
100	5.3	87.3	92.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0
0	5.3	87.3	92.7	97.3	98.0	98.7	98.7	99.3	99.3	99.3	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JUN
MONTH

19
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.3	42.0	42.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000	2.0	57.3	57.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000	2.0	58.0	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	2.0	58.0	58.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	2.0	58.7	59.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 12000	2.0	59.3	60.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 10000	2.0	64.7	66.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 9000	2.0	64.7	66.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	2.0	70.7	73.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 7000	2.0	72.7	75.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	2.0	72.7	75.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	2.0	72.7	75.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	2.0	73.3	76.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000	2.0	73.3	76.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 3500	2.0	76.0	78.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	2.0	80.0	82.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	2.0	82.7	86.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2000	2.0	83.3	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800	2.0	83.3	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	2.0	86.7	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1200	2.0	87.3	92.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	2.0	88.7	94.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	2.0	88.7	94.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	2.0	88.7	94.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	2.0	88.7	94.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	2.0	88.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	2.0	88.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	2.0	88.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	2.0	88.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	2.0	88.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	2.0	88.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	2.0	88.7	95.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

JUN

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING		50.0	54.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000		60.7	64.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 18000		60.7	64.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 16000		60.7	64.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 14000		60.7	64.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 12000		61.3	65.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 10000		64.0	68.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000		64.0	68.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 8000		68.7	74.0	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000		72.0	77.3	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000		73.3	78.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000		74.7	80.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4500		74.7	80.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 4000		75.3	80.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3500		76.0	81.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000		76.0	81.3	85.3	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2500		78.7	84.0	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2000		80.0	85.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1800		80.0	85.3	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500		81.3	87.3	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200		82.0	88.0	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000		82.7	90.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		82.7	90.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		82.7	90.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700		82.7	90.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		82.7	90.7	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		83.3	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		83.3	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		83.3	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		83.3	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		83.3	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0		83.3	91.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	.3	37.3	43.1	45.1	45.8	45.9	46.1	46.3	46.3	46.5	46.6	46.6	46.8	46.8
≥ 20000	.7	47.6	53.9	56.3	56.9	57.2	57.3	57.6	57.6	57.8	57.8	57.8	58.0	58.0
≥ 18000	.7	47.9	54.4	56.9	57.6	57.8	58.0	58.3	58.3	58.4	58.5	58.5	58.7	58.7
≥ 16000	.7	47.9	54.4	56.9	57.6	57.8	58.0	58.3	58.3	58.4	58.5	58.5	58.7	58.7
≥ 14000	.7	48.3	54.8	57.4	58.1	58.3	58.5	58.8	58.8	58.9	59.0	59.0	59.2	59.2
≥ 12000	.7	49.0	55.6	58.4	59.1	59.3	59.5	59.8	59.8	59.9	60.0	60.0	60.2	60.2
≥ 10000	.8	52.6	59.4	62.5	63.2	63.5	63.7	63.9	63.9	64.1	64.2	64.2	64.3	64.3
≥ 9000	.8	52.6	59.5	62.6	63.3	63.6	63.8	64.0	64.0	64.2	64.3	64.3	64.4	64.4
≥ 8000	.8	56.0	63.7	67.1	67.9	68.3	68.4	68.7	68.7	68.8	68.9	68.9	69.1	69.1
≥ 7000	.8	57.7	65.4	69.0	69.8	70.2	70.3	70.6	70.6	70.8	70.8	70.8	71.0	71.0
≥ 6000	.8	57.8	65.7	69.3	70.1	70.4	70.6	70.8	70.8	71.0	71.1	71.1	71.3	71.3
≥ 5000	.8	58.4	66.3	69.9	70.8	71.1	71.3	71.5	71.5	71.7	71.8	71.8	71.9	71.9
≥ 4500	.8	58.8	66.6	70.3	71.1	71.4	71.6	71.8	71.8	72.0	72.1	72.1	72.3	72.3
≥ 4000	.8	59.7	67.7	71.3	72.2	72.5	72.7	72.9	72.9	73.1	73.2	73.2	73.3	73.3
≥ 3500	.8	60.2	68.3	71.9	72.8	73.1	73.3	73.5	73.5	73.7	73.8	73.8	73.9	73.9
≥ 3000	1.0	62.7	70.8	74.6	75.5	75.8	76.1	76.3	76.3	76.5	76.6	76.6	76.8	76.8
≥ 2500	1.1	65.5	74.3	78.6	79.7	80.0	80.3	80.5	80.5	80.7	80.8	80.8	80.9	80.9
≥ 2000	1.3	68.8	77.9	82.5	83.7	84.0	84.3	84.7	84.7	84.8	84.9	84.9	85.1	85.1
≥ 1800	1.3	68.9	78.1	82.7	83.8	84.2	84.5	84.8	84.8	85.0	85.1	85.1	85.3	85.3
≥ 1500	1.3	71.3	81.3	86.3	87.7	88.0	88.3	88.9	88.9	89.1	89.2	89.2	89.3	89.3
≥ 1200	1.3	72.1	82.3	87.4	88.8	89.2	89.5	90.1	90.1	90.3	90.3	90.3	90.5	90.5
≥ 1000	1.6	74.7	85.6	91.3	92.8	93.3	93.8	94.3	94.3	94.5	94.6	94.6	94.8	94.8
≥ 900	1.6	74.8	85.8	91.5	93.2	93.7	94.1	94.7	94.7	94.8	94.9	94.9	95.1	95.1
≥ 800	1.6	75.2	86.2	92.1	93.8	94.3	94.7	95.3	95.3	95.5	95.6	95.6	95.8	95.8
≥ 700	1.6	75.3	86.5	92.5	94.3	94.8	95.3	95.8	95.8	96.1	96.2	96.2	96.5	96.5
≥ 600	1.6	75.4	86.9	93.1	95.0	95.5	95.9	96.5	96.5	96.8	96.8	96.8	97.2	97.2
≥ 500	1.6	75.7	87.5	93.8	95.9	96.4	96.8	97.5	97.5	97.9	98.0	98.0	98.4	98.4
≥ 400	1.6	75.7	87.6	93.9	96.1	96.6	97.1	97.8	97.8	98.3	98.6	98.6	99.0	99.0
≥ 300	1.6	75.7	87.7	94.0	96.3	96.8	97.3	98.1	98.1	98.5	98.8	98.8	99.3	99.3
≥ 200	1.6	75.7	87.7	94.0	96.3	96.8	97.4	98.3	98.3	98.7	99.1	99.1	99.7	99.7
≥ 100	1.6	75.7	87.7	94.0	96.3	96.8	97.4	98.3	98.3	98.7	99.1	99.1	99.7	99.7
≥ 0	1.6	75.7	87.7	94.0	96.3	96.8	97.4	98.3	98.3	98.7	99.1	99.1	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		51.6	61.3	66.5	67.7	67.7	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000		54.8	67.1	73.6	74.8	74.8	76.1	76.1	76.8	76.8	76.8	76.8	76.8	76.8
≥ 18000		54.8	67.7	74.2	75.5	75.5	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4
≥ 16000		54.8	67.7	74.2	75.5	75.5	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000		54.8	67.7	74.2	75.5	75.5	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4
≥ 12000		54.8	67.7	74.2	75.5	75.5	76.8	76.8	77.4	77.4	77.4	77.4	77.4	77.4
≥ 10000		57.4	71.0	77.4	78.7	78.7	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 9000		57.4	71.0	77.4	78.7	78.7	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7
8000		58.7	74.2	81.3	82.6	82.6	83.9	83.9	84.5	84.5	84.5	84.5	84.5	84.5
7000		60.7	76.1	83.2	84.5	84.5	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5
6000		60.7	76.1	83.2	84.5	84.5	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5
5000		61.3	78.1	85.2	86.5	86.5	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4
4500		61.9	78.7	85.8	87.1	87.1	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0
4000		62.6	79.4	87.1	88.4	88.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3
3500		62.6	79.4	87.7	89.0	89.0	90.3	90.3	91.0	91.0	91.0	91.0	91.0	91.0
3000		64.5	81.9	90.3	91.6	91.6	92.9	92.9	93.6	93.6	93.6	93.6	93.6	93.6
2500		65.2	83.9	92.3	93.6	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1
2000		65.2	83.9	92.3	93.6	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1
1800		65.8	84.5	92.9	94.2	94.2	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8
1500		66.5	85.2	93.6	94.8	94.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1
1200		66.5	85.2	93.6	94.8	94.8	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1
1000		66.5	85.2	93.6	94.8	94.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
900		66.5	85.2	93.6	94.8	94.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
800		66.5	85.2	93.6	94.8	94.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
700		66.5	85.2	93.6	94.8	94.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
600		66.5	85.2	93.6	94.8	94.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
500		66.5	85.2	93.6	94.8	94.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7
400		66.5	85.8	94.2	95.5	95.5	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
300		66.5	85.8	94.2	95.5	95.5	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
200		66.5	85.8	94.2	95.5	95.5	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
100		66.5	85.8	94.2	95.5	95.5	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0
0		66.5	85.8	94.2	95.5	95.5	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000		43.9	56.8	68.4	71.6	72.3	72.9	72.9	72.9	73.6	73.6	73.6	73.6
≥ 18000		46.5	59.4	72.3	76.8	78.1	79.4	79.4	79.4	80.0	80.0	80.0	80.0
≥ 16000		46.5	60.0	72.9	77.4	78.7	80.0	80.0	80.0	80.7	80.7	80.7	80.7
≥ 14000		46.5	60.0	72.9	77.4	78.7	80.0	80.0	80.0	80.7	80.7	80.7	80.7
≥ 12000		46.5	60.0	72.9	77.4	78.7	80.0	80.0	80.0	80.7	80.7	80.7	80.7
≥ 10000		48.4	61.9	74.8	79.4	80.7	81.9	81.9	82.6	83.2	83.2	83.2	83.2
≥ 9000		48.4	61.9	74.8	79.4	80.7	81.9	81.9	82.6	83.2	83.2	83.2	83.2
8000		50.3	63.9	76.8	81.3	82.6	83.9	83.9	84.5	85.2	85.2	85.2	85.2
7000		51.0	64.5	77.4	81.9	83.2	84.5	84.5	85.2	85.8	85.8	85.8	85.8
6000		51.0	64.5	77.4	81.9	83.2	84.5	84.5	85.2	85.8	85.8	85.8	85.8
5000		51.6	65.2	78.1	82.6	83.9	85.2	85.2	85.8	86.5	86.5	86.5	86.5
4500		51.6	65.2	78.1	82.6	83.9	85.2	85.2	85.8	86.5	86.5	86.5	86.5
4000		51.6	65.8	78.7	83.2	84.5	85.8	85.8	86.5	87.1	87.1	87.1	87.1
3500		52.3	66.5	80.0	84.5	85.8	87.1	87.1	87.7	88.4	88.4	88.4	88.4
3000		52.9	68.4	82.6	87.1	88.4	90.3	91.0	91.6	92.3	92.3	92.3	92.3
2500		53.6	69.0	83.9	89.0	90.3	92.3	92.9	93.6	94.2	94.2	94.2	94.2
2000		54.2	69.7	84.5	89.7	91.0	92.9	93.6	94.2	94.8	94.8	94.8	94.8
1800		54.2	69.7	84.5	89.7	91.0	92.9	93.6	94.2	94.8	94.8	94.8	94.8
1500		54.2	69.7	84.5	89.7	91.0	92.9	93.6	94.2	94.8	94.8	94.8	94.8
1200		54.8	71.0	85.8	91.0	92.3	94.8	95.5	96.1	96.8	96.8	96.8	96.8
1000		54.8	71.0	85.8	91.0	92.3	94.8	95.5	96.1	96.8	96.8	96.8	96.8
900		54.8	71.6	86.5	92.3	93.6	96.1	96.8	97.4	98.1	98.1	98.1	98.1
800		54.8	71.6	86.5	92.3	93.6	96.1	96.8	97.4	98.1	98.1	98.1	98.1
700		54.8	71.6	86.5	92.3	93.6	96.1	96.8	97.4	98.1	98.1	98.1	98.1
600		54.8	71.6	86.5	92.3	93.6	96.1	96.8	97.4	98.1	98.1	98.1	98.1
500		54.8	71.6	87.1	93.6	94.8	97.4	98.1	98.7	99.4	99.4	99.4	99.4
400		54.8	71.6	87.1	93.6	94.8	97.4	98.1	98.7	99.4	99.4	99.4	99.4
300		54.8	72.3	87.7	94.2	95.5	98.1	98.7	99.4	100.0	100.0	100.0	100.0
200		54.8	72.3	87.7	94.2	95.5	98.1	98.7	99.4	100.0	100.0	100.0	100.0
100		54.8	72.3	87.7	94.2	95.5	98.1	98.7	99.4	100.0	100.0	100.0	100.0
0		54.8	72.3	87.7	94.2	95.5	98.1	98.7	99.4	100.0	100.0	100.0	100.0

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000	43.9	50.3	53.6	57.4	57.4	57.4	59.4	59.4	59.4	60.0	60.0	60.0	60.0
≥ 18000	47.1	55.5	60.0	65.2	65.2	65.2	67.7	67.7	67.7	69.0	69.0	69.0	69.0
≥ 16000	47.7	56.1	61.3	66.5	66.5	66.5	69.0	69.0	69.0	70.3	70.3	70.3	70.3
≥ 14000	47.7	56.1	61.3	66.5	66.5	66.5	69.0	69.0	69.0	70.3	70.3	70.3	70.3
≥ 12000	47.7	56.1	61.3	66.5	66.5	66.5	69.0	69.0	69.0	70.3	70.3	70.3	70.3
≥ 10000	48.4	57.4	62.6	67.7	67.7	67.7	70.3	70.3	70.3	71.6	71.6	71.6	71.6
≥ 9000	51.0	60.7	65.8	71.0	71.0	71.0	73.6	73.6	73.6	74.8	74.8	74.8	74.8
≥ 8000	51.0	60.7	65.8	71.0	71.0	71.0	73.6	73.6	73.6	74.8	74.8	74.8	74.8
≥ 7000	56.8	67.7	72.9	78.1	78.1	78.1	80.7	80.7	80.7	81.9	81.9	81.9	81.9
≥ 6000	58.7	70.3	75.5	81.3	81.3	81.3	83.9	83.9	83.9	85.8	85.8	85.8	85.8
≥ 5000	59.4	71.0	76.1	81.9	81.9	81.9	84.5	84.5	84.5	86.5	86.5	86.5	86.5
≥ 4500	59.4	71.0	76.1	81.9	81.9	81.9	84.5	84.5	84.5	86.5	86.5	86.5	86.5
≥ 4000	59.4	71.0	76.1	81.9	81.9	81.9	84.5	84.5	84.5	86.5	86.5	86.5	86.5
≥ 3500	60.0	72.3	77.4	83.2	83.2	83.2	85.8	85.8	85.8	87.7	87.7	87.7	87.7
≥ 3000	60.0	72.3	77.4	83.2	83.2	83.2	85.8	85.8	85.8	87.7	87.7	87.7	87.7
≥ 2500	61.9	74.2	79.4	85.8	85.8	85.8	88.4	88.4	88.4	90.3	90.3	90.3	90.3
≥ 2000	62.6	74.8	80.7	87.7	87.7	87.7	90.3	90.3	90.3	92.9	92.9	92.9	92.9
≥ 1800	62.6	74.8	80.7	87.7	87.7	87.7	90.3	90.3	90.3	92.9	92.9	92.9	92.9
≥ 1500	63.2	75.5	81.3	88.4	88.4	88.4	91.0	91.0	91.0	93.6	93.6	93.6	93.6
≥ 1200	63.2	75.5	81.3	88.4	88.4	88.4	91.0	91.0	91.0	93.6	93.6	93.6	93.6
≥ 1000	63.2	75.5	81.3	88.4	88.4	88.4	91.0	91.0	91.0	93.6	93.6	93.6	93.6
≥ 900	63.2	75.5	81.3	88.4	88.4	88.4	91.0	91.0	91.0	93.6	93.6	93.6	93.6
≥ 800	63.9	76.1	82.6	89.7	89.7	89.7	92.9	92.9	92.9	95.5	95.5	95.5	95.5
≥ 700	63.9	76.1	82.6	89.7	89.7	89.7	92.9	92.9	92.9	95.5	95.5	95.5	95.5
≥ 600	63.9	76.1	82.6	89.7	89.7	89.7	92.9	92.9	92.9	95.5	95.5	95.5	95.5
≥ 500	63.9	76.1	82.6	89.7	89.7	89.7	92.9	92.9	92.9	95.5	95.5	95.5	95.5
≥ 400	63.9	76.1	82.6	89.7	89.7	89.7	92.9	92.9	92.9	95.5	95.5	95.5	95.5
≥ 300	63.9	76.1	82.6	89.7	89.7	89.7	92.9	92.9	92.9	95.5	95.5	95.5	95.5
≥ 200	63.9	76.1	82.6	89.7	89.7	89.7	92.9	92.9	92.9	95.5	95.5	95.5	95.5
≥ 100	63.9	76.1	82.6	89.7	89.7	89.7	92.9	92.9	92.9	95.5	95.5	95.5	95.5
0	63.9	76.1	82.6	89.7	89.7	89.7	92.9	92.9	92.9	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		36.1	43.9	46.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000		45.2	54.2	57.4	58.7	58.7	58.7	59.4	59.4	59.4	59.4
AI 18000		45.2	54.2	57.4	58.7	58.7	58.7	59.4	59.4	59.4	59.4
AI 16000		45.2	54.2	57.4	58.7	58.7	58.7	59.4	59.4	59.4	59.4
AI 14000		45.8	54.8	58.1	59.4	59.4	59.4	60.0	60.0	60.0	60.0
AI 12000		45.8	54.8	58.1	59.4	59.4	59.4	60.0	60.0	60.0	60.0
AI 10000		49.0	58.1	61.9	63.2	63.2	63.2	63.9	63.9	63.9	63.9
AI 9000		49.0	58.1	61.9	63.2	63.2	63.2	63.9	63.9	63.9	63.9
AI 8000		52.9	61.9	65.8	67.1	67.1	67.1	67.7	67.7	67.7	67.7
AI 7000		53.6	62.6	66.5	67.7	67.7	67.7	68.4	68.4	68.4	68.4
AI 6000		53.6	62.6	66.5	67.7	67.7	67.7	68.4	68.4	68.4	68.4
AI 5000		54.2	63.2	67.1	68.4	68.4	68.4	69.0	69.0	69.0	69.0
AI 4500		54.2	63.2	67.1	68.4	68.4	68.4	69.0	69.0	69.0	69.0
AI 4000		54.8	64.5	68.4	69.7	69.7	69.7	70.3	70.3	70.3	70.3
AI 3500		54.8	64.5	68.4	69.7	69.7	69.7	70.3	70.3	70.3	70.3
AI 3000		57.4	67.1	71.6	72.9	72.9	72.9	73.6	73.6	73.6	73.6
AI 2500	.7	62.6	72.9	79.4	80.7	80.7	80.7	81.3	81.3	81.3	81.3
AI 2000	.7	67.1	78.1	84.5	85.8	85.8	85.8	86.5	86.5	86.5	86.5
AI 1800	.7	67.7	78.7	85.2	86.5	86.5	86.5	87.1	87.1	87.1	87.1
AI 1500	.7	72.9	83.9	90.3	91.6	91.6	91.6	92.9	92.9	92.9	92.9
AI 1200	.7	72.9	83.9	90.3	92.3	92.3	92.3	93.6	93.6	93.6	93.6
AI 1000	.7	73.6	85.8	92.3	95.5	95.5	95.5	96.8	96.8	96.8	96.8
AI 900	.7	73.6	85.8	92.3	95.5	95.5	95.5	96.8	96.8	96.8	96.8
AI 800	.7	74.2	87.1	93.6	96.8	96.8	96.8	98.1	98.1	98.1	98.1
AI 700	.7	74.2	87.1	93.6	96.8	96.8	96.8	98.1	98.1	98.1	98.1
AI 600	.7	74.2	87.1	93.6	96.8	96.8	96.8	98.1	98.1	98.1	98.1
AI 500	.7	74.8	87.7	94.2	97.4	97.4	97.4	98.7	98.7	98.7	98.7
AI 400	.7	74.8	87.7	94.2	97.4	97.4	97.4	98.7	98.7	98.7	98.7
AI 300	.7	74.8	87.7	94.2	97.4	97.4	97.4	98.7	98.7	98.7	98.7
AI 200	.7	74.8	87.7	94.2	97.4	97.4	97.4	98.7	98.7	98.7	98.7
AI 100	.7	74.8	87.7	94.2	97.4	97.4	97.4	98.7	98.7	98.7	98.7
0	.7	74.8	87.7	94.2	97.4	97.4	97.4	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	.7	25.8	33.6	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 20000	.7	36.8	45.2	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
18000	.7	36.8	45.2	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
16000	.7	36.8	45.2	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
14000	.7	36.8	45.2	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
12000	.7	36.8	45.2	47.7	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
10000	.7	41.3	49.7	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
9000	.7	41.3	49.7	52.9	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
8000	.7	44.5	52.9	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
7000	.7	45.2	53.6	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
6000	.7	45.2	53.6	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
5000	.7	45.8	54.2	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
4500	.7	46.5	54.8	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
4000	.7	46.5	54.8	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
3500	.7	48.4	56.8	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
3000	.7	58.1	69.0	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
2500	.7	67.1	78.7	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
2000	.7	71.0	83.9	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
1800	.7	71.6	84.5	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
1500	.7	74.2	87.7	94.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1200	.7	74.8	88.4	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1000	.7	75.5	89.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
900	.7	75.5	89.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
800	.7	75.5	89.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
700	.7	75.5	89.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
600	.7	75.5	89.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
500	.7	75.5	89.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
400	.7	75.5	89.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
300	.7	75.5	89.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
200	.7	75.5	89.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
100	.7	75.5	89.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	.7	75.5	89.0	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	≥ 0
NO CEILING	7	31.0	38.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	7	41.9	51.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 18000	7	41.9	51.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	7	41.9	51.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 14000	7	41.9	51.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 12000	7	41.9	51.6	53.6	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 10000	1.3	45.8	55.5	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 9000	1.3	45.8	55.5	57.4	57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
8000	1.3	51.0	61.3	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
7000	1.3	52.9	63.2	65.2	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
6000	1.3	52.9	63.2	65.2	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
5000	1.3	53.6	63.9	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
4500	1.3	54.8	65.2	67.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
4000	1.3	54.8	65.2	67.1	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
3500	1.3	56.1	67.1	69.0	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
3000	1.3	61.9	75.5	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
2500	1.3	67.7	82.6	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
2000	1.3	69.0	84.5	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1800	1.3	69.0	84.5	88.4	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1500	1.3	72.9	89.7	94.2	94.8	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1200	1.3	73.6	90.3	94.8	96.1	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1000	1.3	74.2	91.0	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
900	1.3	74.2	91.0	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
800	1.3	74.2	91.0	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
700	1.3	74.2	91.0	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600	1.3	74.2	91.0	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500	1.3	74.2	91.0	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
400	1.3	74.2	91.0	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
300	1.3	74.2	91.0	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
200	1.3	74.2	91.0	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
100	1.3	74.2	91.0	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	1.3	74.2	91.0	95.5	96.8	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	7	31.6	38.7	61.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 20000	1.3	67.7	56.8	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	1.3	67.7	56.8	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	1.3	67.7	56.8	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 14000	1.3	48.4	57.4	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	1.3	49.0	58.1	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	1.3	54.2	63.9	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	1.3	54.2	63.9	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	1.3	63.2	72.9	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000	1.3	63.2	72.9	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	1.3	63.9	73.6	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	1.3	64.5	74.2	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	1.3	64.5	74.2	78.7	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4000	1.3	66.5	76.1	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3500	1.3	66.5	76.1	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 3000	1.3	67.7	78.7	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2500	1.9	71.6	82.6	88.4	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2000	1.9	71.6	83.2	89.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	1.9	71.6	83.2	89.7	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1500	1.9	71.6	84.5	91.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	1.9	72.3	85.2	92.3	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	1.9	73.6	86.5	94.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	1.9	73.6	87.1	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	1.9	73.6	87.1	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	1.9	73.6	87.1	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	1.9	73.6	87.1	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	1.9	73.6	87.1	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	1.9	73.6	87.1	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	1.9	73.6	87.1	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	1.9	73.6	87.1	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	1.9	73.6	87.1	95.5	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	1.9	73.6	87.1	95.5	97.4	96.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0	
NO CEILING		47.1	54.8	58.7	60.0	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000		51.6	62.6	67.7	69.0	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 18000		51.6	62.6	67.7	69.0	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 16000		51.6	62.6	67.7	69.0	69.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 14000		51.6	62.6	68.4	69.7	70.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000		53.6	64.5	70.3	71.6	72.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 10000		55.5	66.5	72.3	73.6	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 9000		55.5	66.5	72.3	73.6	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000		60.7	72.3	78.7	80.0	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000		61.3	73.6	80.0	81.3	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000		61.9	74.8	81.3	82.6	83.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 5000		63.2	76.1	82.6	83.9	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500		63.2	76.1	82.6	83.9	84.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000		63.9	76.8	83.2	84.5	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3500		63.9	76.8	83.2	84.5	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000		65.8	80.7	87.1	88.4	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500		68.4	83.9	91.0	92.3	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000		68.4	84.5	92.3	93.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800		68.4	84.5	92.3	93.6	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500		68.4	84.5	93.6	95.5	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200		68.4	84.5	93.6	95.5	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000		69.0	85.2	94.2	96.1	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900		69.0	85.2	94.2	96.1	96.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800		69.0	85.8	94.8	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		69.0	85.8	94.8	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		69.0	85.8	94.8	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		69.0	85.8	94.8	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		69.0	85.8	94.8	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		69.0	85.8	94.8	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		69.0	85.8	94.8	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		69.0	85.8	94.8	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		69.0	85.8	94.8	96.8	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JUL

MONTH

ALL

HOURS (L.S.T.)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	2	38.9	47.3	51.4	52.8	53.0	53.6	53.6	53.6	53.7	53.8	53.8	53.8	53.8
≥ 20000	.3	46.5	56.5	61.6	63.4	63.8	64.7	64.7	64.7	64.9	65.0	65.0	65.0	65.0
≥ 18000	.3	46.5	56.8	61.9	63.7	64.1	65.0	65.0	65.0	65.2	65.3	65.3	65.3	65.3
≥ 16000	.3	46.5	56.8	61.9	63.7	64.1	65.0	65.0	65.0	65.2	65.3	65.3	65.3	65.3
≥ 14000	.3	46.7	57.0	62.3	64.0	64.4	65.3	65.3	65.3	65.6	65.7	65.7	65.7	65.7
≥ 12000	.3	47.1	57.4	62.7	64.4	64.8	65.7	65.7	65.7	66.0	66.1	66.1	66.1	66.1
≥ 10000	.4	50.3	60.9	66.3	68.1	68.5	69.4	69.4	69.4	69.7	69.8	69.8	69.8	69.8
≥ 9000	.4	50.3	60.9	66.3	68.1	68.5	69.4	69.4	69.4	69.7	69.8	69.8	69.8	69.8
≥ 8000	.4	54.8	65.9	71.5	73.4	73.8	74.7	74.7	74.7	75.0	75.1	75.1	75.1	75.1
≥ 7000	.4	55.8	67.1	72.7	74.7	75.1	76.0	76.0	76.0	76.4	76.5	76.5	76.5	76.5
≥ 6000	.4	56.1	67.4	73.0	75.0	75.4	76.3	76.3	76.3	76.7	76.8	76.8	76.8	76.8
≥ 5000	.4	56.7	68.2	73.9	75.9	76.3	77.2	77.2	77.2	77.6	77.7	77.7	77.7	77.7
≥ 4500	.4	57.0	68.6	74.2	76.2	76.6	77.5	77.5	77.5	77.9	78.0	78.0	78.0	78.0
≥ 4000	.4	57.6	69.4	75.1	77.1	77.5	78.4	78.4	78.4	78.8	78.9	78.9	78.9	78.9
≥ 3500	.4	58.1	69.9	75.8	77.8	78.2	79.1	79.1	79.1	79.5	79.7	79.7	79.7	79.7
≥ 3000	.4	61.1	74.2	80.7	82.7	83.1	84.0	84.1	84.1	84.5	84.7	84.7	84.7	84.7
≥ 2500	.6	64.8	78.5	85.6	87.8	88.2	89.3	89.4	89.4	89.8	89.9	89.9	89.9	89.9
≥ 2000	.6	66.1	80.3	87.7	90.2	90.6	91.7	91.8	91.8	92.2	92.3	92.3	92.3	92.3
≥ 1800	.6	66.4	80.6	88.0	90.4	90.9	92.0	92.1	92.1	92.5	92.7	92.7	92.7	92.7
≥ 1500	.6	68.0	82.6	90.5	93.1	93.6	94.9	95.1	95.1	95.5	95.7	95.7	95.7	95.7
≥ 1200	.6	68.2	82.8	90.7	93.5	94.0	95.3	95.5	95.5	95.9	96.1	96.1	96.1	96.1
≥ 1000	.6	68.8	83.6	91.8	94.7	95.2	96.9	97.1	97.1	97.6	97.7	97.7	97.7	97.7
≥ 900	.6	68.8	83.7	91.9	94.8	95.3	97.1	97.3	97.3	97.8	98.0	98.0	98.0	98.0
≥ 800	.6	69.0	84.1	92.3	95.3	95.8	97.6	97.9	97.9	98.4	98.6	98.6	98.6	98.6
≥ 700	.6	69.0	84.1	92.3	95.3	95.8	97.6	98.0	98.0	98.5	98.7	98.7	98.7	98.7
≥ 600	.6	69.0	84.1	92.4	95.5	96.0	97.8	98.2	98.3	98.8	99.0	99.0	99.0	99.0
≥ 500	.6	69.0	84.2	92.7	95.7	96.2	98.1	98.6	98.7	99.2	99.4	99.4	99.4	99.4
≥ 400	.6	69.0	84.3	92.7	95.8	96.3	98.2	98.7	98.8	99.3	99.5	99.5	99.5	99.5
≥ 300	.6	69.0	84.4	92.8	95.9	96.4	98.2	98.8	98.9	99.4	99.6	99.6	99.6	99.6
≥ 200	.6	69.0	84.4	92.8	95.9	96.4	98.2	98.8	98.9	99.4	99.6	99.6	99.6	99.6
≥ 100	.6	69.0	84.4	92.8	95.9	96.4	98.2	98.8	98.9	99.4	99.6	99.6	99.6	99.6
≥ 0	.6	69.0	84.4	92.8	95.9	96.4	98.2	98.8	98.9	99.4	99.6	99.6	99.6	99.6

1240

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		46.5	54.2	60.0	61.9	62.6	62.6	63.2	63.9	63.9	63.9	63.9	63.9
≥ 20000		52.3	62.6	69.0	72.9	73.6	73.6	74.2	74.8	74.8	74.8	74.8	74.8
≥ 18000		52.3	62.6	69.0	72.9	73.6	73.6	74.2	74.8	74.8	74.8	74.8	74.8
≥ 16000		52.3	62.6	69.0	72.9	73.6	73.6	74.2	74.8	74.8	74.8	74.8	74.8
≥ 14000		52.9	63.2	69.7	73.6	74.2	74.2	74.8	75.5	75.5	75.5	75.5	75.5
≥ 12000		53.6	63.9	70.3	74.2	74.8	74.8	75.5	76.1	76.1	76.1	76.1	76.1
≥ 10000		56.1	67.1	73.6	77.4	78.1	78.1	78.7	79.4	79.4	79.4	79.4	79.4
≥ 9000		56.1	67.1	73.6	77.4	78.1	78.1	78.7	79.4	79.4	79.4	79.4	79.4
≥ 8000		58.7	71.0	77.4	81.3	81.9	81.9	82.6	83.2	83.2	83.2	83.2	83.2
≥ 7000		59.4	71.6	78.1	81.9	82.6	82.6	83.2	83.9	83.9	83.9	83.9	83.9
≥ 6000		59.4	71.6	78.1	81.9	82.6	82.6	83.2	83.9	83.9	83.9	83.9	83.9
≥ 5000		61.3	73.6	80.0	83.9	84.5	84.5	85.2	85.8	85.8	85.8	85.8	85.8
≥ 4500		61.3	73.6	80.0	83.9	84.5	84.5	85.2	85.8	85.8	85.8	85.8	85.8
≥ 4000		61.9	74.2	80.7	84.5	85.2	85.2	85.8	86.5	86.5	86.5	86.5	86.5
≥ 3500		62.6	74.8	81.3	85.2	85.8	85.8	86.5	87.1	87.1	87.1	87.1	87.1
≥ 3000		65.2	78.1	84.5	89.0	89.7	89.7	90.3	91.0	91.0	91.0	91.0	91.0
≥ 2500		65.8	78.7	85.8	90.3	91.0	91.0	91.6	92.3	92.3	92.3	92.3	92.3
≥ 2000		66.5	79.4	87.7	92.3	92.9	93.6	94.2	94.8	94.8	94.8	94.8	94.8
≥ 1800		66.5	79.4	87.7	92.3	92.9	93.6	94.2	94.8	94.8	94.8	94.8	94.8
≥ 1500		66.5	79.4	88.4	92.9	93.6	94.2	94.8	95.5	95.5	95.5	95.5	95.5
≥ 1200		66.5	79.4	88.4	93.6	94.2	94.8	95.5	96.1	96.1	96.1	96.1	96.1
≥ 1000		66.5	79.4	89.0	94.2	94.8	95.5	96.1	96.8	96.8	96.8	96.8	96.8
≥ 900		66.5	79.4	89.0	94.2	94.8	95.5	96.1	96.8	96.8	96.8	96.8	96.8
≥ 800		66.5	80.0	89.7	95.5	96.1	96.8	97.4	98.1	98.1	98.1	98.1	98.1
≥ 700		66.5	80.0	89.7	95.5	96.1	96.8	97.4	98.1	98.1	98.1	98.1	98.1
≥ 600		66.5	80.0	89.7	95.5	96.1	96.8	97.4	98.1	98.1	98.1	98.1	98.1
≥ 500		66.5	80.0	89.7	95.5	96.1	96.8	97.4	98.1	98.1	98.1	98.1	98.1
≥ 400		66.5	80.7	90.3	96.1	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 300		66.5	80.7	90.3	96.1	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 200		66.5	80.7	90.3	96.1	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4
≥ 100		66.5	80.7	90.3	96.1	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4
0		66.5	80.7	90.3	96.1	96.8	98.1	98.7	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

AUG
MONTH

04
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		37.4	47.7	56.8	60.7	61.3	63.9	63.9	63.9	63.9	63.9	63.9	64.5
≥ 18000		40.7	52.3	62.6	68.4	69.0	72.3	72.9	72.9	72.9	72.9	72.9	73.6
≥ 16000		40.7	52.3	62.6	68.4	69.0	72.3	72.9	72.9	72.9	72.9	72.9	73.6
≥ 14000		40.7	52.3	62.6	68.4	69.0	72.3	72.9	72.9	72.9	72.9	72.9	73.6
≥ 12000		41.3	52.9	63.2	69.0	69.7	72.9	73.6	73.6	73.6	73.6	74.2	74.2
≥ 10000		41.3	52.9	63.2	69.0	69.7	72.9	73.6	73.6	73.6	73.6	74.2	74.2
≥ 9000		46.5	58.1	68.4	74.2	74.8	78.1	78.7	78.7	78.7	78.7	79.4	79.4
≥ 8000		46.5	58.1	68.4	74.2	74.8	78.1	78.7	78.7	78.7	78.7	79.4	79.4
≥ 7000		49.0	61.3	71.6	77.4	78.1	81.3	81.9	81.9	81.9	81.9	82.6	82.6
≥ 6000		49.7	61.9	72.3	78.1	78.7	81.9	82.6	82.6	82.6	82.6	83.2	83.2
≥ 5000		49.7	61.9	72.3	78.1	78.7	81.9	82.6	82.6	82.6	82.6	83.2	83.2
≥ 4500		50.3	62.6	72.9	78.7	79.4	82.6	83.2	83.2	83.2	83.2	83.9	83.9
≥ 4000		50.3	62.6	72.9	78.7	79.4	82.6	83.2	83.2	83.2	83.2	83.9	83.9
≥ 3500		50.3	62.6	72.9	78.7	79.4	82.6	83.2	83.2	83.2	83.2	83.9	83.9
≥ 3000		50.3	62.6	72.9	78.7	79.4	82.6	83.2	83.2	83.2	83.2	83.9	83.9
≥ 2500		54.2	67.1	78.7	85.8	86.5	91.0	91.6	91.6	91.6	91.6	92.3	92.3
≥ 2000		55.5	68.4	81.3	88.4	89.0	94.2	94.8	94.8	94.8	94.8	95.5	95.5
≥ 1800		55.5	68.4	81.3	88.4	89.0	94.2	94.8	94.8	94.8	94.8	95.5	95.5
≥ 1500		55.5	68.4	81.3	88.4	89.0	94.2	94.8	94.8	94.8	94.8	95.5	95.5
≥ 1200		55.5	68.4	81.3	88.4	89.0	94.2	94.8	94.8	94.8	94.8	95.5	95.5
≥ 1000		55.5	68.4	81.3	88.4	89.0	94.2	94.8	94.8	94.8	94.8	95.5	95.5
≥ 900		56.1	69.0	82.6	90.3	91.0	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 800		56.1	69.0	82.6	90.3	91.0	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 700		56.1	69.0	82.6	90.3	91.0	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 600		56.1	69.0	82.6	90.3	91.0	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 500		56.1	69.0	82.6	90.3	91.0	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 400		56.1	69.0	82.6	90.3	91.0	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 300		56.1	69.0	82.6	90.3	91.0	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 200		56.1	69.0	82.6	90.3	91.0	96.1	96.1	96.1	96.1	96.1	96.8	96.8
≥ 100		56.1	69.0	82.6	90.3	91.0	96.1	96.1	96.1	96.1	96.1	96.8	96.8
0		56.1	69.0	82.6	90.3	91.0	96.1	96.1	96.1	96.1	96.1	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		26.5	37.4	43.2	45.2	46.5	47.1	47.1	47.1	47.1	47.1	47.1	47.7	49.0
≥ 20000		27.1	40.7	47.1	50.3	51.6	52.3	52.9	52.9	54.2	54.2	54.2	55.5	56.8
≥ 18000		27.1	40.7	47.1	50.3	51.6	52.3	52.9	52.9	54.2	54.2	54.2	55.5	56.8
≥ 16000		27.1	40.7	47.1	50.3	51.6	52.3	52.9	52.9	54.2	54.2	54.2	55.5	56.8
≥ 14000		27.1	40.7	47.1	50.3	51.6	52.3	52.9	52.9	54.2	54.2	54.2	55.5	56.8
≥ 12000		27.7	41.3	47.7	51.6	52.9	53.6	54.2	54.2	55.5	55.5	56.8	58.1	58.7
≥ 10000		32.9	47.1	53.6	57.4	60.0	60.7	61.3	61.3	62.6	62.6	63.9	65.2	65.8
≥ 9000		32.9	47.1	53.6	57.4	60.0	60.7	61.3	61.3	62.6	62.6	63.9	65.2	65.8
≥ 8000		35.5	52.3	58.7	62.6	65.2	65.8	66.5	66.5	67.7	67.7	69.0	70.3	71.0
≥ 7000		36.1	52.9	59.4	63.2	65.8	66.5	67.1	67.1	68.4	68.4	69.7	71.0	71.6
≥ 6000		36.1	52.9	59.4	63.2	65.8	66.5	67.1	67.1	68.4	68.4	69.7	71.0	71.6
≥ 5000		36.8	54.2	60.7	64.5	67.1	67.7	69.0	69.0	70.3	70.3	71.6	72.9	73.6
≥ 4500		36.8	54.2	60.7	64.5	67.1	67.7	69.0	69.0	70.3	70.3	71.6	72.9	73.6
≥ 4000		38.1	55.5	62.6	66.5	69.0	69.7	71.0	71.0	72.3	72.3	73.6	74.8	75.5
≥ 3500		38.1	56.1	63.2	67.1	69.7	70.3	71.6	71.6	72.9	72.9	74.2	75.5	76.1
≥ 3000		39.4	58.1	65.8	69.7	72.3	72.9	74.2	74.2	75.5	75.5	76.8	78.1	78.7
≥ 2500		43.2	62.6	70.3	74.2	76.8	78.1	79.4	79.4	81.3	81.3	82.6	83.9	84.5
≥ 2000		43.9	63.2	71.0	74.8	78.1	80.0	81.3	81.3	83.2	83.2	84.5	85.8	86.5
≥ 1800		43.9	63.2	71.0	74.8	78.1	80.0	81.3	81.3	83.2	83.2	84.5	85.8	86.5
≥ 1500		44.5	63.9	71.6	75.5	78.7	80.7	81.9	81.9	84.5	84.5	85.8	87.1	87.7
≥ 1200		44.5	63.9	71.6	75.5	78.7	80.7	81.9	81.9	84.5	84.5	85.8	87.1	87.7
≥ 1000		45.8	65.2	72.9	77.4	80.7	82.6	84.5	84.5	87.1	87.1	88.4	89.7	90.3
≥ 900		45.8	65.2	72.9	77.4	80.7	82.6	84.5	84.5	87.1	87.1	88.4	89.7	90.3
≥ 800		45.8	65.2	72.9	77.4	80.7	82.6	84.5	84.5	87.1	87.1	88.4	89.7	90.3
≥ 700		45.8	65.2	72.9	77.4	80.7	82.6	84.5	84.5	87.1	87.1	88.4	89.7	90.3
≥ 600		45.8	65.2	72.9	77.4	80.7	82.6	84.5	84.5	87.1	87.1	88.4	89.7	90.3
≥ 500		47.1	67.1	75.5	80.0	83.2	85.8	88.4	88.4	91.0	91.0	92.9	94.2	94.8
≥ 400		47.1	67.1	76.1	80.7	83.9	86.5	89.0	89.0	92.3	92.3	94.2	95.5	96.1
≥ 300		47.1	67.7	76.1	81.3	84.5	87.1	89.7	89.7	92.9	92.9	94.8	96.1	97.4
≥ 200		47.1	67.7	76.1	81.3	84.5	87.1	89.7	89.7	92.9	92.9	94.8	96.1	97.4
≥ 100		47.1	67.7	76.1	81.3	84.5	87.1	89.7	89.7	92.9	92.9	94.8	96.1	97.4
≥ 0		47.1	67.7	76.1	81.3	84.5	87.1	89.7	89.7	92.9	92.9	94.8	96.1	98.1

153

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

AUG

MONTH

10

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		38.7	40.7	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 20000		43.9	46.5	50.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000		43.9	46.5	50.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000		43.9	46.5	50.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000		43.9	46.5	50.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000		44.5	48.4	52.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 10000		48.4	52.9	56.8	58.1	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000		48.4	52.9	56.8	58.1	58.1	58.1	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000		51.0	56.1	60.0	61.3	61.3	61.3	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000		51.0	56.8	60.7	61.9	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6
≥ 6000		51.6	57.4	61.3	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2
≥ 5000		52.9	58.7	62.6	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500		52.9	58.7	62.6	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4000		54.8	60.7	64.5	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3500		54.8	60.7	64.5	65.8	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 3000		56.1	63.9	67.7	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 2500		64.5	70.3	74.2	75.5	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2000		70.3	76.1	80.7	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800		70.3	76.1	80.7	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500		72.9	80.7	86.5	87.7	87.7	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1200		72.9	80.7	87.7	89.7	89.7	90.3	90.3	90.3	91.0	91.0	91.0	91.0
≥ 1000		76.1	85.2	94.2	96.1	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1
≥ 900		76.1	85.2	94.2	96.1	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1
≥ 800		76.1	85.2	94.2	96.1	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1
≥ 700		76.1	85.2	94.2	96.1	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1
≥ 600		76.1	85.2	94.2	96.1	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1
≥ 500		76.1	85.2	94.2	96.1	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1
≥ 400		76.1	85.2	94.2	96.1	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1
≥ 300		76.1	85.2	94.2	96.1	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1
≥ 200		76.1	85.2	94.2	96.1	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1
≥ 100		76.1	85.2	94.2	96.1	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1
0		76.1	85.2	94.2	96.1	96.1	96.8	97.4	97.4	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		25.8	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 20000		31.6	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 18000		31.6	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 16000		31.6	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 14000		31.6	34.2	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 12000		32.9	35.5	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 10000		36.8	39.4	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 9000		36.8	39.4	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
8000		39.4	41.9	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
7000		39.4	41.9	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
6000		39.4	41.9	43.2	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
5000		40.0	42.6	43.9	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
4500		40.7	43.2	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
4000		43.2	45.8	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
3500		43.2	45.8	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
3000		53.6	57.4	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
2500		65.8	72.3	74.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
2000		72.9	80.0	81.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
1800		72.9	80.0	82.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
1500		78.1	86.5	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
1200		78.1	87.1	90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
1000		81.3	91.0	94.8	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
900		81.3	91.0	94.8	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
800		81.3	91.0	95.5	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
700		81.3	91.6	95.5	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
600		81.3	91.6	95.5	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
500		81.3	91.6	96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
400		81.3	91.6	96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
300		81.3	91.6	96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
200		81.3	91.6	96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
100		81.3	91.6	96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0		81.3	91.6	96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

155

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING		35.5	38.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000		43.2	47.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 18000		43.2	47.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 16000		43.2	47.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 14000		43.2	47.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 12000		43.9	47.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 10000		49.0	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 9000		49.0	52.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 8000		54.2	58.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 7000		56.1	60.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
6000		56.1	60.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
5000		56.8	60.7	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
4500		57.4	61.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
4000		58.1	61.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
3500		58.1	61.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
3000		63.9	69.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
2500		71.6	81.3	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
2000		75.5	85.8	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1800		75.5	85.8	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
1500		78.1	88.4	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1200		78.1	88.4	91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1000		80.7	92.3	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
900		80.7	92.3	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
800		81.3	92.9	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
700		81.3	92.9	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
600		81.3	92.9	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
500		81.3	92.9	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
400		81.3	92.9	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
300		81.3	92.9	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
200		81.3	92.9	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
100		81.3	92.9	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0		81.3	92.9	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		40.7	45.8	47.1	47.1	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000		51.6	58.1	59.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 18000		51.6	58.1	59.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 16000		51.6	58.1	59.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 14000		52.3	59.4	60.7	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000		52.3	59.4	60.7	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000		57.4	64.5	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000		57.4	64.5	65.8	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
8000		67.7	76.1	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
7000		68.4	76.8	78.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
6000		68.4	76.8	78.1	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
5000		70.3	78.7	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
4500		70.3	78.7	80.7	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
4000		71.0	79.4	81.3	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
3500		73.6	81.9	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
3000		76.1	84.5	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
2500		78.7	87.7	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2000		81.3	90.3	92.3	92.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
1800		81.3	90.3	92.3	92.9	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
1500		81.9	91.6	93.6	94.2	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
1200		82.6	92.3	94.2	94.8	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1000		83.2	92.9	94.8	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
900		83.2	92.9	94.8	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
800		83.2	92.9	94.8	95.5	96.1	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
700		83.9	93.6	95.5	96.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
600		83.9	93.6	95.5	96.8	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500		83.9	94.2	96.1	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400		83.9	94.2	96.1	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300		83.9	94.2	96.1	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200		83.9	94.2	96.1	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		83.9	94.2	96.1	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		83.9	94.2	96.1	97.4	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 0
NO CEILING														
≥ 20000		51.6	56.8	60.0	60.7	60.7	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000		56.8	63.9	68.4	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 16000		56.8	63.9	68.4	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 14000		56.8	63.9	68.4	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 12000		57.4	64.5	69.0	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 10000		58.1	65.2	69.7	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000		60.7	68.4	72.9	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 8000		60.7	68.4	72.9	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 7000		65.8	74.8	80.0	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000		67.1	76.1	81.3	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000		67.1	76.1	81.3	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500		67.1	76.1	81.3	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4000		67.1	76.1	81.3	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 3500		69.7	78.7	83.9	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 3000		72.9	83.2	88.4	89.7	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500		74.2	85.2	90.3	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000		74.8	87.1	92.3	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1800		74.8	87.1	92.3	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1500		74.8	87.1	92.3	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1200		75.5	88.4	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000		75.5	88.4	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900		75.5	88.4	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800		75.5	88.4	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700		75.5	88.4	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600		75.5	88.4	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500		75.5	88.4	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400		75.5	88.4	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 300		75.5	88.4	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200		75.5	88.4	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 100		75.5	88.4	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0		75.5	88.4	93.6	95.5	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		37.8	43.6	47.3	48.4	48.8	49.2	49.4	49.4	49.4	49.4	49.6	49.6
≥ 20000		43.4	50.7	55.0	56.9	57.3	57.9	58.2	58.2	58.4	58.4	58.6	58.6
≥ 18000		43.4	50.7	55.0	56.9	57.3	57.9	58.2	58.2	58.4	58.4	58.6	58.6
≥ 16000		43.4	50.7	55.0	56.9	57.3	57.9	58.2	58.2	58.4	58.4	58.6	58.6
≥ 14000		43.7	51.1	55.4	57.3	57.7	58.3	58.6	58.6	58.8	58.8	59.0	59.0
≥ 12000		44.3	51.8	56.1	58.2	58.6	59.1	59.4	59.4	59.6	59.6	59.8	59.8
≥ 10000		48.3	56.3	60.7	62.7	63.3	64.0	64.2	64.2	64.4	64.4	64.7	64.7
≥ 9000		48.3	56.3	60.7	62.7	63.3	64.0	64.2	64.2	64.4	64.4	64.7	64.7
≥ 8000		52.7	61.5	66.1	68.2	68.8	69.4	69.7	69.7	69.9	69.9	70.2	70.2
≥ 7000		53.4	62.3	66.9	69.0	69.6	70.2	70.5	70.5	70.7	70.7	71.0	71.0
≥ 6000		53.5	62.3	66.9	69.1	69.7	70.3	70.6	70.6	70.8	70.8	71.1	71.1
≥ 5000		54.4	63.4	68.1	70.2	70.8	71.5	71.8	71.8	72.0	72.0	72.3	72.3
≥ 4500		54.6	63.6	68.2	70.4	71.0	71.6	71.9	71.9	72.2	72.2	72.4	72.4
≥ 4000		55.6	64.5	69.3	71.5	72.0	72.7	73.0	73.0	73.2	73.2	73.5	73.5
≥ 3500		56.3	65.4	70.2	72.3	72.9	73.6	73.9	73.9	74.1	74.1	74.4	74.4
≥ 3000		60.2	70.0	75.0	77.3	77.6	78.8	79.1	79.1	79.4	79.4	79.6	79.6
≥ 2500		64.8	75.7	81.0	83.6	84.2	85.2	85.5	85.5	85.8	85.8	86.1	86.1
≥ 2000		67.6	78.8	84.5	87.2	87.8	89.2	89.5	89.5	89.8	89.8	90.1	90.1
≥ 1800		67.6	78.9	84.7	87.3	88.0	89.4	89.7	89.7	90.0	90.0	90.2	90.2
≥ 1500		69.0	80.8	87.0	89.7	90.3	91.7	92.0	92.0	92.5	92.5	92.8	92.8
≥ 1200		69.1	81.0	87.3	90.2	90.9	92.3	92.6	92.6	93.2	93.2	93.5	93.5
≥ 1000		70.6	82.8	89.6	92.6	93.3	94.8	95.2	95.2	95.9	95.9	96.2	96.2
≥ 900		70.6	82.8	89.6	92.6	93.3	94.8	95.2	95.2	95.9	95.9	96.2	96.2
≥ 800		70.7	83.2	89.9	93.2	93.9	95.5	95.9	95.9	96.5	96.5	96.9	96.9
≥ 700		70.8	83.2	90.0	93.3	94.0	95.7	96.1	96.1	96.7	96.7	97.0	97.0
≥ 600		70.8	83.2	90.0	93.4	94.1	95.7	96.1	96.1	96.8	96.8	97.1	97.1
≥ 500		71.0	83.6	90.6	94.0	94.7	96.7	97.3	97.3	97.9	98.0	98.3	98.3
≥ 400		71.0	83.8	90.8	94.2	94.9	96.9	97.5	97.5	98.3	98.4	98.7	98.7
≥ 300		71.0	83.8	90.8	94.3	95.1	97.1	97.7	97.7	98.6	98.7	99.0	99.0
≥ 200		71.0	83.8	90.8	94.3	95.1	97.1	97.7	97.7	98.6	98.9	99.2	99.2
≥ 100		71.0	83.8	90.8	94.3	95.1	97.1	97.8	97.8	98.6	99.0	99.3	99.3
0		71.0	83.8	90.8	94.3	95.1	97.1	97.8	97.8	98.6	99.0	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS 1240

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING		56.0	61.3	64.0	67.3	68.0	68.7	69.3	69.3	69.3	69.3
≥ 20000		60.0	66.0	69.3	73.3	74.0	74.0	75.3	75.3	75.3	75.3
≥ 18000		60.0	66.0	69.3	73.3	74.0	74.0	75.3	75.3	75.3	75.3
≥ 16000		60.0	66.0	69.3	73.3	74.0	74.0	75.3	75.3	75.3	75.3
≥ 14000		60.0	66.0	69.3	73.3	74.0	74.0	75.3	75.3	75.3	75.3
≥ 12000		61.3	67.3	70.7	74.7	75.3	76.0	76.7	76.7	76.7	76.7
≥ 10000		63.3	69.3	72.7	76.7	77.3	78.0	78.7	78.7	78.7	78.7
≥ 9000		63.3	69.3	72.7	76.7	77.3	78.0	78.7	78.7	78.7	78.7
8000		64.7	70.7	74.0	78.0	78.7	79.3	80.0	80.0	80.0	80.0
7000		64.7	70.7	74.0	78.0	78.7	79.3	80.0	80.0	80.0	80.0
6000		64.7	70.7	74.0	78.0	78.7	79.3	80.0	80.0	80.0	80.0
5000		66.0	72.0	75.3	79.3	80.0	80.7	81.3	81.3	81.3	81.3
4500		66.7	73.3	76.7	80.7	81.3	82.0	82.7	82.7	82.7	82.7
4000		66.7	73.3	76.7	80.7	81.3	82.0	82.7	82.7	82.7	82.7
3500		66.7	73.3	76.7	80.7	81.3	82.0	82.7	82.7	82.7	82.7
3000		66.7	73.3	76.7	80.7	81.3	82.0	82.7	82.7	82.7	82.7
2500		67.3	75.3	80.0	84.0	84.7	85.3	86.0	86.0	86.0	86.0
2000		67.3	75.3	80.0	84.0	84.7	85.3	86.0	86.0	86.0	86.0
1800		70.0	78.7	84.0	89.3	90.0	90.7	91.3	91.3	91.3	91.3
1500		70.0	78.7	84.0	89.3	90.0	90.7	91.3	91.3	91.3	91.3
1200		70.7	79.3	84.7	90.0	90.7	92.0	92.7	92.7	92.7	92.7
1000		71.3	80.0	86.0	92.7	93.3	96.7	97.3	97.3	97.3	97.3
900		72.0	81.3	88.0	94.7	95.3	98.7	99.3	99.3	99.3	99.3
800		72.0	81.3	88.0	94.7	95.3	98.7	99.3	99.3	99.3	99.3
700		72.0	81.3	88.0	94.7	95.3	98.7	99.3	99.3	99.3	99.3
600		72.0	81.3	88.0	94.7	95.3	98.7	99.3	99.3	99.3	99.3
500		72.0	81.3	88.0	94.7	95.3	98.7	99.3	99.3	99.3	99.3
400		72.0	81.3	88.0	94.7	95.3	98.7	99.3	99.3	99.3	99.3
300		72.0	81.3	88.0	94.7	95.3	98.7	99.3	99.3	99.3	99.3
200		72.0	81.3	88.0	94.7	95.3	98.7	99.3	99.3	99.3	99.3
100		72.0	81.3	88.0	94.7	95.3	98.7	99.3	99.3	99.3	99.3
0		72.0	81.3	88.0	94.7	95.3	98.7	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

SEP

STATION NAME

YEARS

NORTH

04
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000		39.3	48.7	52.7	56.0	56.0	59.3	60.7	60.7	62.0	62.0	62.7	62.7	62.7
≥ 18000		42.0	52.0	56.0	59.3	59.3	63.3	64.7	64.7	66.0	66.0	66.7	66.7	66.7
≥ 16000		42.0	52.0	56.0	59.3	59.3	63.3	64.7	64.7	66.0	66.0	66.7	66.7	66.7
≥ 14000		42.0	52.0	56.0	59.3	59.3	63.3	64.7	64.7	66.0	66.0	66.7	66.7	66.7
≥ 12000		43.3	53.3	57.3	60.7	60.7	64.7	66.0	66.0	67.3	67.3	68.0	68.0	68.0
≥ 10000		44.7	56.7	60.7	64.0	64.0	68.0	69.3	69.3	70.7	70.7	71.3	71.3	71.3
≥ 9000		44.7	56.7	60.7	64.0	64.0	68.0	69.3	69.3	70.7	70.7	71.3	71.3	71.3
≥ 8000		46.0	59.3	64.7	68.7	68.7	72.7	74.0	74.0	75.3	75.3	76.0	76.0	76.0
≥ 7000		46.0	60.0	65.3	69.3	69.3	73.3	74.7	74.7	76.0	76.0	76.7	76.7	76.7
≥ 6000		46.0	60.0	65.3	69.3	69.3	73.3	74.7	74.7	76.0	76.0	76.7	76.7	76.7
≥ 5000		47.3	61.3	66.7	70.7	70.7	74.7	76.0	76.0	77.3	77.3	78.0	78.0	78.0
≥ 4500		47.3	61.3	66.7	70.7	70.7	74.7	76.0	76.0	77.3	77.3	78.0	78.0	78.0
≥ 4000		47.3	61.3	66.7	70.7	70.7	74.7	76.0	76.0	77.3	77.3	78.0	78.0	78.0
≥ 3500		47.3	61.3	66.7	70.7	70.7	74.7	76.0	76.0	77.3	77.3	78.0	78.0	78.0
≥ 3000		48.0	62.7	68.0	72.7	72.7	76.7	78.0	78.0	79.3	79.3	80.0	80.0	80.0
≥ 2500		50.0	65.3	70.7	75.3	75.3	79.3	80.7	80.7	82.0	82.0	82.7	82.7	82.7
≥ 2000		50.7	68.0	74.0	78.7	78.7	82.7	84.0	84.0	85.3	85.3	86.0	86.0	86.0
≥ 1800		50.7	68.0	74.0	78.7	78.7	82.7	84.0	84.0	85.3	85.3	86.0	86.0	86.0
≥ 1600		52.0	70.0	76.0	80.7	80.7	84.7	86.0	86.0	87.3	87.3	88.0	88.0	88.0
≥ 1400		52.7	70.7	77.3	82.0	82.0	86.0	87.3	87.3	88.7	88.7	89.3	89.3	89.3
≥ 1200		52.7	70.7	78.0	83.3	83.3	88.0	89.3	89.3	90.7	90.7	91.3	91.3	91.3
≥ 1000		52.7	70.7	78.0	83.3	83.3	88.0	89.3	89.3	90.7	90.7	91.3	91.3	91.3
≥ 900		52.7	70.7	78.0	83.3	83.3	88.0	89.3	89.3	90.7	90.7	91.3	91.3	91.3
≥ 800		52.7	70.7	78.0	83.3	83.3	88.0	89.3	89.3	90.7	90.7	91.3	91.3	91.3
≥ 700		52.7	70.7	78.0	83.3	83.3	88.0	89.3	89.3	90.7	90.7	91.3	91.3	91.3
≥ 600		52.7	70.7	78.0	83.3	83.3	88.0	89.3	89.3	90.7	90.7	91.3	91.3	91.3
≥ 500		52.7	70.7	78.0	83.3	83.3	88.0	89.3	89.3	90.7	90.7	91.3	91.3	91.3
≥ 400		52.7	70.7	78.0	83.3	83.3	88.0	89.3	89.3	90.7	90.7	91.3	91.3	91.3
≥ 300		52.7	70.7	78.0	83.3	83.3	88.0	89.3	89.3	90.7	90.7	91.3	91.3	91.3
≥ 200		52.7	70.7	78.0	83.3	83.3	88.0	89.3	89.3	90.7	90.7	91.3	91.3	91.3
≥ 100		53.3	71.3	81.3	86.7	86.7	92.7	95.3	95.3	96.7	96.7	98.7	98.7	99.3
≥ 0		53.3	71.3	81.3	86.7	86.7	92.7	95.3	95.3	96.7	96.7	98.7	98.7	99.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEAR

SEP

MOUTH

07
HOURS (L S T)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000	32.0	35.3	39.3	40.7	41.3	44.0	45.3	45.3	45.3	46.7	46.7	47.3	47.3	47.3
≥ 18000	36.0	39.3	44.0	46.0	46.7	49.3	50.7	50.7	50.7	52.0	52.0	52.7	52.7	52.7
≥ 16000	36.0	40.0	44.7	46.7	47.3	50.7	52.0	52.0	52.0	53.3	53.3	54.0	54.0	54.7
≥ 14000	36.0	40.0	44.7	46.7	47.3	50.7	52.0	52.0	52.0	53.3	53.3	54.0	54.0	54.7
≥ 12000	36.0	40.7	45.3	47.3	48.0	51.3	52.7	52.7	52.7	54.0	54.0	54.7	54.7	55.3
≥ 10000	37.3	42.7	48.0	52.0	52.7	57.3	58.7	58.7	58.7	60.0	60.0	60.7	60.7	61.3
≥ 9000	37.3	42.7	48.0	52.0	52.7	57.3	58.7	58.7	58.7	60.0	60.0	60.7	60.7	61.3
≥ 8000	40.0	45.3	50.7	55.3	56.0	61.3	62.7	62.7	62.7	64.7	64.7	65.3	65.3	66.0
≥ 7000	40.7	47.3	52.7	57.3	58.0	63.3	64.7	64.7	64.7	66.7	66.7	67.3	67.3	68.0
≥ 6000	40.7	47.3	52.7	57.3	58.0	63.3	64.7	64.7	64.7	66.7	66.7	67.3	67.3	68.0
≥ 5000	40.7	48.0	53.3	58.7	59.3	64.7	66.0	66.0	66.0	68.0	68.0	68.7	68.7	69.3
≥ 4500	40.7	48.7	54.0	59.3	60.0	65.3	66.7	66.7	66.7	68.7	68.7	69.3	69.3	70.0
≥ 4000	41.3	49.3	54.7	60.0	60.7	66.0	67.3	67.3	67.3	69.3	69.3	70.0	70.0	70.7
≥ 3500	42.0	50.0	55.3	60.7	61.3	66.7	68.0	68.0	68.0	70.0	70.0	70.7	70.7	71.3
≥ 3000	44.0	52.0	58.0	63.3	64.0	70.0	71.3	71.3	71.3	73.3	73.3	74.0	74.0	74.7
≥ 2500	45.3	53.3	59.3	65.3	66.0	72.0	73.3	73.3	73.3	75.3	75.3	76.0	76.0	77.3
≥ 2000	46.0	55.3	61.3	67.3	68.0	74.7	76.0	76.0	76.0	78.0	78.0	78.7	78.7	80.0
≥ 1800	46.0	55.3	61.3	67.3	68.0	74.7	76.0	76.0	76.0	78.0	78.0	78.7	78.7	80.0
≥ 1500	46.7	56.7	62.7	68.7	69.3	76.0	77.3	77.3	77.3	79.3	79.3	80.0	80.0	81.3
≥ 1200	47.3	57.3	63.3	69.3	70.0	76.7	78.0	78.0	78.0	80.0	80.0	80.7	80.7	82.0
≥ 1000	48.0	58.7	64.7	71.3	72.0	78.7	80.0	80.0	80.0	82.0	82.0	82.7	82.7	84.0
≥ 900	48.0	58.7	64.7	71.3	72.0	78.7	80.0	80.0	80.0	82.0	82.0	82.7	82.7	84.0
≥ 800	48.7	59.3	65.3	73.3	74.0	80.7	82.0	82.0	82.0	84.0	84.0	84.7	84.7	86.0
≥ 700	48.7	59.3	66.0	74.0	74.7	81.3	82.7	82.7	82.7	84.7	84.7	85.3	85.3	86.7
≥ 600	48.7	59.3	66.7	75.3	76.0	82.7	84.0	84.0	84.0	86.0	86.7	87.3	87.3	88.7
≥ 500	49.3	60.0	68.0	77.3	78.0	86.0	88.0	88.0	88.0	90.0	90.7	91.3	91.3	92.7
≥ 400	49.3	60.0	68.0	78.7	79.3	87.3	89.3	89.3	89.3	91.3	92.0	92.7	92.7	94.0
≥ 300	49.3	60.0	68.0	78.7	79.3	88.7	90.7	90.7	90.7	92.7	93.3	94.0	94.0	95.3
≥ 200	49.3	60.0	68.0	78.7	79.3	88.7	90.7	90.7	90.7	92.7	94.0	94.7	94.7	96.7
≥ 100	49.3	60.0	68.0	78.7	79.3	88.7	90.7	90.7	90.7	92.7	94.0	94.7	94.7	96.7
≥ 0	49.3	60.0	68.0	78.7	79.3	88.7	90.7	90.7	90.7	92.7	94.0	94.7	94.7	96.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

SEP
MONTH

10
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING		36.0	40.7	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 20000		46.7	52.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000		46.7	52.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000		46.7	52.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000		46.7	52.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 12000		46.7	52.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000		48.0	54.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 9000		48.0	54.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000		50.7	56.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 7000		51.3	58.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000		51.3	58.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000		51.3	58.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4500		51.3	58.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 4000		52.0	59.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 3500		53.3	60.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 3000		61.3	68.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2500		64.7	72.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000		66.0	74.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1800		66.0	74.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1500		69.3	78.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1200		72.0	81.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1000		73.3	82.7	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 900		74.0	83.3	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800		74.0	83.3	90.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 700		74.0	85.3	94.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 600		74.0	85.3	94.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500		74.7	86.7	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400		74.7	86.7	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300		74.7	86.7	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200		74.7	86.7	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100		74.7	86.7	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0
0		74.7	86.7	95.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET - SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING		26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 20000		34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 18000		34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 16000		34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 14000		34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 12000		36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 10000		38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 9000		38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 8000		42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 7000		42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 6000		43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 5000		44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 4500		46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 4000		47.3	48.0	48.7	48.7	48.7	48.7	49.3	49.3	49.3	49.3	49.3
≥ 3500	.7	49.3	50.7	51.3	51.3	51.3	51.3	52.0	52.0	52.0	52.0	52.0
≥ 3000		61.3	64.0	64.7	64.7	64.7	64.7	65.3	65.3	65.3	65.3	65.3
≥ 2500	1.3	71.3	75.3	76.7	76.7	76.7	76.7	77.3	77.3	77.3	77.3	77.3
≥ 2000	1.3	76.7	80.7	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0
≥ 1800	1.3	76.7	80.7	83.3	83.3	83.3	83.3	84.0	84.0	84.0	84.0	84.0
≥ 1500	1.3	84.7	89.3	92.7	92.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3
≥ 1200	1.3	86.0	90.7	94.0	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7
≥ 1000	1.3	88.0	93.3	96.7	96.7	96.7	96.7	97.3	97.3	97.3	97.3	97.3
≥ 900	1.3	88.7	94.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 800	1.3	88.7	94.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 700	1.3	88.7	94.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 600	1.3	88.7	94.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 500	1.3	88.7	94.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 400	1.3	88.7	94.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 300	1.3	88.7	94.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 200	1.3	88.7	94.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
≥ 100	1.3	88.7	94.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0
0	1.3	88.7	94.0	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

SEP
MONTH

16
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		33.3	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 20000		46.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 18000		46.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 16000		46.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 14000		46.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 12000		47.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 10000		51.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 9000		51.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 8000		56.0	57.3	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 7000		56.7	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 6000		57.3	58.7	59.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 5000		60.0	61.3	62.0	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4500		61.3	63.3	64.0	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4000		62.0	64.0	64.7	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 3500		64.0	66.0	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 3000	.7	75.3	78.7	79.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	.7	80.0	84.7	84.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 2000	.7	83.3	88.0	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800	.7	83.3	88.0	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	.7	87.3	92.0	93.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	.7	88.0	93.3	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1000	.7	89.3	94.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	.7	89.3	94.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800	.7	89.3	94.7	96.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	.7	90.0	95.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	.7	90.0	95.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	.7	90.0	95.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	.7	90.0	95.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 300	.7	90.0	95.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 200	.7	90.0	95.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 100	.7	90.0	95.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 0	.7	90.0	95.3	96.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		38.7	42.7	44.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 20000		48.0	52.7	54.0	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000		48.7	53.3	54.7	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 16000		48.7	53.3	54.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 14000		48.7	53.3	54.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000		50.7	55.3	56.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000		58.0	62.7	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 9000		58.0	62.7	64.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 8000		62.0	67.3	68.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 7000		62.7	68.0	69.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 6000		63.3	68.7	70.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5000		65.3	70.7	72.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4500		66.7	72.0	74.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 4000		68.0	74.0	76.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500		69.3	75.3	77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000		75.3	82.7	85.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500		80.0	87.3	90.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000		82.0	89.3	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1800		82.0	89.3	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1500		84.0	92.0	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200		84.0	92.0	94.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1000		84.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900		84.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800		84.0	92.0	95.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700		84.0	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600		84.0	92.7	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500		84.0	93.3	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		84.0	93.3	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		84.0	93.3	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		84.0	93.3	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		84.0	93.3	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		84.0	93.3	97.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

SEP

MONTH

22

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		54.0	56.7	60.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 20000		59.3	62.0	65.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 18000		59.3	62.0	65.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 16000		59.3	62.0	65.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 14000		60.0	62.7	66.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 12000		62.0	64.7	68.0	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 10000		68.7	72.0	75.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 9000		68.7	72.0	75.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 8000		70.0	75.3	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000		70.0	75.3	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000		70.0	75.3	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000		70.0	75.3	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500		70.0	75.3	78.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000		70.7	76.0	79.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 3500		72.0	77.3	80.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000		74.0	80.0	83.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500		76.0	83.3	86.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000		76.7	84.7	88.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800		76.7	84.7	88.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1500		78.0	86.0	90.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1200		78.0	86.0	90.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000		79.3	88.0	92.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900		79.3	88.0	92.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 800		79.3	88.0	92.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700		79.3	88.0	92.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600		79.3	88.0	92.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 500		79.3	88.0	92.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400		79.3	88.0	92.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 300		79.3	88.0	92.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200		79.3	88.7	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100		79.3	88.7	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0		79.3	88.7	93.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		39.4	43.3	45.5	46.8	47.0	47.8	48.3	48.3	48.6	48.6	48.7	48.8	48.8
≥ 20000		46.5	50.7	53.1	54.6	54.8	55.7	56.1	56.1	56.4	56.4	56.5	56.6	56.7
18000		46.6	50.8	53.3	54.8	54.9	55.9	56.3	56.3	56.7	56.7	56.8	56.8	56.9
16000		46.7	50.9	53.3	54.9	55.1	56.1	56.5	56.5	56.8	56.8	57.0	57.0	57.1
14000		46.8	51.2	53.6	55.2	55.3	56.3	56.8	56.8	57.1	57.1	57.2	57.3	57.3
12000		48.0	52.3	54.8	56.6	56.8	57.8	58.2	58.2	58.5	58.5	58.6	58.7	58.8
10000		51.3	56.1	58.6	60.5	60.7	61.8	62.3	62.3	62.6	62.6	62.7	62.8	62.8
9000		51.3	56.1	58.6	60.5	60.7	61.8	62.3	62.3	62.6	62.6	62.7	62.8	62.8
8000		54.0	59.3	62.1	64.2	64.3	65.6	66.0	66.0	66.4	66.4	66.5	66.6	66.7
7000		54.3	60.0	62.8	64.8	65.0	66.3	66.7	66.7	67.1	67.1	67.2	67.3	67.3
6000		54.6	60.3	63.0	65.2	65.3	66.6	67.0	67.0	67.4	67.4	67.5	67.6	67.7
5000		55.6	61.3	64.1	66.3	66.5	67.8	68.2	68.2	68.6	68.6	68.7	68.8	68.8
4500		56.3	62.3	65.2	67.4	67.6	68.8	69.3	69.3	69.8	69.8	69.9	69.9	70.0
4000		56.9	63.2	66.1	68.3	68.5	69.8	70.3	70.3	70.7	70.7	70.8	70.8	70.9
3500		58.0	64.3	67.3	69.7	69.8	71.1	71.6	71.6	72.0	72.0	72.1	72.2	72.3
3000	.2	63.3	70.5	73.8	76.5	76.7	78.0	78.5	78.5	78.9	78.9	79.0	79.1	79.2
2500	.3	66.8	74.7	78.3	81.3	81.4	82.8	83.3	83.3	83.7	83.7	83.8	83.8	84.0
2000	.3	68.9	77.3	81.3	84.3	84.5	85.9	86.4	86.4	86.8	86.8	86.9	87.0	87.2
1800	.3	68.9	77.3	81.3	84.3	84.5	85.9	86.4	86.4	86.8	86.8	86.9	87.0	87.2
1500	.3	71.6	80.4	84.8	87.8	88.0	89.5	90.0	90.0	90.4	90.4	90.5	90.6	90.8
1200	.3	72.3	81.3	85.8	88.9	89.1	90.6	91.1	91.1	91.5	91.5	91.6	91.7	91.8
1000	.3	73.3	82.5	87.4	90.9	91.1	93.2	93.7	93.7	94.1	94.1	94.2	94.3	94.5
900	.3	73.5	82.8	87.8	91.4	91.6	93.7	94.2	94.2	94.6	94.6	94.7	94.8	95.0
800	.3	73.6	82.9	87.9	91.8	91.9	94.0	94.5	94.5	94.9	94.9	95.0	95.1	95.3
700	.3	73.7	83.3	88.7	92.5	92.7	94.8	95.3	95.3	95.7	95.7	95.8	95.9	96.2
600	.3	73.7	83.3	88.8	92.7	92.8	94.9	95.5	95.5	95.9	96.0	96.1	96.3	96.5
500	.3	73.8	83.7	89.3	93.4	93.6	96.1	96.8	96.8	97.3	97.3	97.4	97.7	97.9
400	.3	73.8	83.7	89.5	93.8	94.0	96.5	97.4	97.4	97.9	98.0	98.1	98.3	98.5
300	.3	73.8	83.7	89.5	93.8	94.1	96.8	97.7	97.7	98.2	98.3	98.4	98.6	98.8
200	.3	73.8	83.8	89.6	93.9	94.2	96.9	97.8	97.8	98.3	98.6	98.7	98.9	99.3
100	.3	73.9	83.8	89.7	94.0	94.3	97.0	97.9	97.9	98.4	98.7	98.8	99.1	99.7
0	.3	73.9	83.8	89.7	94.0	94.3	97.0	97.9	97.9	98.4	98.7	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS

1200

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														
≥ 20000		60.0	64.5	68.4	69.0	69.0	70.3	70.3	70.3	71.0	71.0	71.0	71.6	71.6
≥ 18000		63.9	68.4	72.9	73.6	73.6	74.8	74.8	74.8	75.5	75.5	75.5	76.1	76.1
≥ 16000		63.9	68.4	72.9	73.6	73.6	74.8	74.8	74.8	75.5	75.5	75.5	76.1	76.1
≥ 14000		63.9	68.4	72.9	73.6	73.6	74.8	74.8	74.8	75.5	75.5	75.5	76.1	76.1
≥ 12000		64.5	69.0	73.6	74.2	74.2	75.5	75.5	75.5	76.1	76.1	76.1	76.8	76.8
≥ 10000		65.2	69.7	74.2	74.8	74.8	76.1	76.1	76.1	76.8	76.8	76.8	77.4	77.4
≥ 9000		65.2	69.7	74.2	74.8	74.8	76.1	76.1	76.1	76.8	76.8	76.8	77.4	77.4
≥ 8000		70.3	74.8	79.4	80.0	80.0	81.3	81.3	81.3	81.9	81.9	81.9	82.6	82.6
≥ 7000		71.0	75.5	80.0	80.7	80.7	81.9	81.9	81.9	82.6	82.6	82.6	83.2	83.2
≥ 6000		71.6	76.1	80.7	81.3	81.3	81.9	81.9	81.9	82.6	82.6	82.6	83.2	83.2
≥ 5000		72.3	76.8	81.3	81.9	81.9	81.9	81.9	81.9	82.6	82.6	82.6	83.2	83.2
≥ 4500		72.3	76.8	81.3	81.9	81.9	81.9	81.9	81.9	82.6	82.6	82.6	83.2	83.2
≥ 4000		72.3	76.8	81.3	81.9	81.9	81.9	81.9	81.9	82.6	82.6	82.6	83.2	83.2
≥ 3500		72.3	76.8	81.3	81.9	81.9	81.9	81.9	81.9	82.6	82.6	82.6	83.2	83.2
≥ 3000		72.9	78.7	85.2	85.8	85.8	87.1	87.1	87.1	87.7	87.7	87.7	88.4	88.4
≥ 2500		74.2	80.0	87.1	87.7	87.7	89.0	89.0	89.0	89.7	89.7	89.7	90.3	90.3
≥ 2000		74.8	81.3	88.4	89.0	89.0	90.3	90.3	90.3	91.0	91.0	91.0	91.6	91.6
≥ 1800		74.8	81.3	88.4	89.0	89.0	90.3	90.3	90.3	91.0	91.0	91.0	91.6	91.6
≥ 1500		74.8	81.3	88.4	89.0	89.0	90.3	90.3	90.3	91.0	91.0	91.0	91.6	91.6
≥ 1200		76.1	83.2	90.3	91.0	91.0	92.3	92.3	92.3	92.9	92.9	92.9	93.6	93.6
≥ 1000		76.1	83.2	90.3	91.0	91.0	92.3	92.3	92.3	92.9	92.9	92.9	93.6	93.6
≥ 900		76.1	83.2	90.3	91.0	91.0	92.3	92.3	92.3	92.9	92.9	92.9	93.6	93.6
≥ 800		76.8	84.5	91.6	92.3	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.8	94.8
≥ 700		76.8	84.5	91.6	92.3	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.8	94.8
≥ 600		76.8	84.5	91.6	92.3	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.8	94.8
≥ 500		76.8	84.5	91.6	92.3	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.8	94.8
≥ 400		76.8	84.5	91.6	92.3	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.8	94.8
≥ 300		76.8	84.5	91.6	92.3	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.8	94.8
≥ 200		76.8	84.5	91.6	92.3	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.8	94.8
≥ 100		76.8	84.5	91.6	92.3	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.8	94.8
0		76.8	84.5	91.6	92.3	92.3	93.6	93.6	93.6	94.2	94.2	94.2	94.8	94.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		51.0	56.1	60.7	63.9	63.9	66.5	67.1	67.1	67.7	67.7	67.7	67.7	67.7
≥ 20000		52.3	57.4	61.9	65.2	65.2	65.2	67.7	68.4	69.0	69.0	69.0	69.7	69.7
18000		52.3	57.4	61.9	65.2	65.2	65.2	67.7	68.4	69.0	69.0	69.0	69.7	69.7
16000		52.3	57.4	61.9	65.2	65.2	65.2	67.7	68.4	69.0	69.0	69.0	69.7	69.7
14000		52.3	57.4	61.9	65.2	65.2	65.2	67.7	68.4	69.0	69.0	69.0	69.7	69.7
12000		52.3	57.4	61.9	65.2	65.2	65.2	67.7	68.4	69.0	69.0	69.0	69.7	69.7
10000		53.6	58.7	63.2	66.5	66.5	66.5	69.0	69.7	70.3	70.3	70.3	71.0	71.0
9000		53.6	58.7	63.2	66.5	66.5	66.5	69.0	69.7	70.3	70.3	70.3	71.0	71.0
8000		56.8	62.6	67.1	70.3	70.3	70.3	72.9	73.6	74.2	74.2	74.2	74.8	74.8
7000		56.1	63.9	68.4	71.6	71.6	71.6	74.2	74.8	75.5	75.5	75.5	76.1	76.1
6000		59.4	65.2	69.7	72.9	72.9	72.9	75.5	76.1	76.8	76.8	76.8	77.4	77.4
5000		60.0	65.8	70.3	73.6	73.6	73.6	76.1	76.8	77.4	77.4	77.4	78.1	78.1
4500		60.7	66.5	71.6	75.5	75.5	75.5	78.1	78.7	79.4	79.4	79.4	80.0	80.0
4000		61.9	67.7	72.9	76.8	76.8	76.8	79.4	80.0	80.7	80.7	80.7	81.3	81.3
3500		62.6	68.4	73.6	77.4	77.4	77.4	80.7	81.3	81.9	81.9	81.9	82.6	82.6
3000		63.9	70.3	76.1	80.0	80.0	80.0	83.2	83.9	85.2	85.2	85.2	85.8	85.8
2500		63.9	70.3	76.1	80.0	80.0	80.0	83.2	83.9	85.2	85.2	85.2	85.8	85.8
2000		64.5	72.3	78.1	81.9	81.9	81.9	85.2	85.8	87.1	87.1	87.1	87.7	87.7
1800		64.5	72.3	78.1	81.9	81.9	81.9	85.2	85.8	87.1	87.1	87.1	87.7	87.7
1500		65.8	74.8	80.7	84.5	84.5	84.5	87.7	88.4	89.7	89.7	89.7	90.3	90.3
1200		65.8	75.5	81.3	85.2	85.2	85.2	88.4	89.0	90.3	90.3	90.3	91.0	91.0
1000		65.8	75.5	81.3	85.2	85.2	85.2	89.0	89.7	91.0	91.0	91.0	91.6	91.6
900		65.8	75.5	81.3	85.2	85.2	85.2	89.0	89.7	91.0	91.0	91.0	91.6	91.6
800		65.8	75.5	81.3	85.2	85.2	85.2	89.0	89.7	91.0	91.0	91.0	91.6	91.6
700		65.8	75.5	81.3	85.2	85.2	85.2	89.0	89.7	91.0	91.0	91.0	91.6	91.6
600		65.8	75.5	81.3	85.2	85.2	85.2	89.0	89.7	91.0	91.0	91.0	91.6	91.6
500		65.8	75.5	81.3	85.2	85.2	85.2	89.0	89.7	91.0	91.0	91.0	91.6	91.6
400		65.8	75.5	81.3	85.2	85.2	85.2	89.0	89.7	91.0	91.0	91.0	91.6	91.6
300		65.8	75.5	81.3	85.2	85.2	85.2	89.0	89.7	91.0	91.0	91.0	91.6	91.6
200		65.8	75.5	81.3	85.2	85.2	85.2	89.0	89.7	91.0	91.0	91.0	91.6	91.6
100		65.8	75.5	81.3	85.2	85.2	85.2	89.0	89.7	91.0	91.0	91.0	91.6	91.6
0		65.8	75.5	81.3	85.2	85.2	85.2	89.0	89.7	91.0	91.0	91.0	91.6	91.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

UCT
NORTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		40.7	49.7	51.6	55.5	55.5	56.1	57.4	57.4	57.4	58.1	58.7	59.4
≥ 18000		44.5	54.8	57.4	62.6	62.6	63.2	65.2	65.2	65.2	65.8	66.5	67.1
≥ 16000		44.5	54.8	57.4	62.6	62.6	63.2	65.2	65.2	65.2	65.8	66.5	67.1
≥ 14000		44.5	54.8	57.4	62.6	62.6	63.2	65.2	65.2	65.2	65.8	66.5	67.1
≥ 12000		44.5	54.8	57.4	62.6	62.6	63.2	65.2	65.2	65.2	65.8	66.5	67.1
≥ 10000		46.5	56.8	60.7	65.8	65.8	66.5	68.4	68.4	68.4	69.0	69.7	70.3
≥ 9000		46.5	56.8	60.7	65.8	65.8	66.5	68.4	68.4	68.4	69.0	69.7	70.3
8000		51.0	61.3	63.2	70.3	70.3	71.0	72.9	72.9	72.9	73.6	74.2	74.8
7000		53.6	63.9	68.4	73.6	73.6	74.2	76.1	76.1	76.1	76.8	77.4	78.1
6000		53.6	63.9	68.4	73.6	73.6	74.2	76.1	76.1	76.1	76.8	77.4	78.1
5000		54.2	64.5	69.0	74.2	74.2	74.8	76.8	76.8	76.8	77.4	78.1	78.7
4500		54.8	65.2	69.7	74.8	74.8	75.5	77.4	77.4	77.4	78.1	78.7	79.4
4000		54.8	65.2	69.7	74.8	74.8	75.5	77.4	77.4	77.4	78.1	78.7	79.4
3500		54.8	65.2	69.7	74.8	74.8	75.5	77.4	77.4	77.4	78.1	78.7	79.4
3000		56.8	67.1	71.6	76.8	76.8	77.4	79.4	79.4	79.4	80.0	80.7	81.3
2500		56.8	67.1	72.3	77.4	77.4	78.1	80.0	80.0	80.0	80.7	81.3	81.9
2000		57.4	67.7	72.9	78.7	78.7	79.4	81.9	81.9	81.9	82.6	83.2	83.9
1800		57.4	67.7	72.9	78.7	78.7	79.4	81.9	81.9	81.9	82.6	83.2	83.9
1500		58.1	69.0	74.8	80.7	80.7	81.9	83.9	83.9	83.9	84.5	85.2	85.8
1200		58.1	69.0	74.8	81.3	81.3	81.9	83.2	83.2	83.2	83.9	84.5	85.2
1000		58.1	69.0	75.5	81.9	81.9	82.6	83.9	83.9	83.9	84.5	85.2	85.8
900		58.1	69.0	75.5	81.9	81.9	82.6	83.9	83.9	83.9	84.5	85.2	85.8
800		58.1	69.0	76.8	83.2	83.2	83.9	85.2	85.2	85.2	85.8	86.5	86.5
700		58.7	69.7	77.4	83.9	83.9	84.5	85.8	85.8	85.8	86.5	87.1	87.7
600		58.7	69.7	77.4	84.5	84.5	85.2	86.5	86.5	86.5	87.1	87.7	88.4
500		58.7	70.3	78.7	85.2	85.2	86.5	87.7	87.7	87.7	88.4	89.0	89.7
400		58.7	70.3	78.7	85.2	85.2	86.5	87.7	87.7	87.7	88.4	89.0	89.7
300		58.7	70.3	78.7	85.2	85.2	86.5	87.7	87.7	87.7	88.4	89.0	89.7
200		58.7	70.3	79.4	85.8	85.8	87.1	89.0	89.0	89.0	89.7	90.3	90.3
100		58.7	70.3	79.4	85.8	85.8	87.1	89.0	89.0	89.0	89.7	90.3	90.3
0		58.7	70.3	79.4	85.8	85.8	87.1	89.0	89.0	89.0	89.7	90.3	90.3

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

OCT
MONTH

10
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING											
≥ 20000		47.7	51.0	51.0	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000		57.4	61.9	61.9	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000		58.7	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 14000		58.7	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 12000		59.4	63.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000		61.9	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000		61.9	67.1	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 8000		66.5	71.6	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000		68.4	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 6000		68.4	73.6	73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000		69.0	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4500		69.0	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000		71.0	76.1	76.8	77.4	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3500		71.6	76.8	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3000		71.6	76.8	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500		73.6	78.7	79.4	80.0	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000		76.1	81.9	82.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800		76.1	81.9	82.6	83.9	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500		78.1	83.9	85.2	86.5	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1200		78.7	84.5	85.8	87.1	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1000		80.0	85.8	87.1	88.4	89.0	89.0	89.7	89.7	89.7	89.7
≥ 900		80.0	85.8	87.1	88.4	89.0	89.0	89.7	89.7	89.7	89.7
≥ 800		81.3	87.7	89.0	90.3	91.0	91.0	91.6	91.6	91.6	91.6
≥ 700		81.3	87.7	90.3	91.6	92.3	92.3	92.9	92.9	92.9	92.9
≥ 600		81.9	89.0	92.3	94.2	94.8	95.5	96.1	96.1	96.1	96.1
≥ 500		81.9	89.7	94.2	96.1	97.4	98.7	99.4	99.4	99.4	99.4
≥ 400		81.9	89.7	94.2	96.1	97.4	98.7	99.4	99.4	99.4	99.4
≥ 300		81.9	89.7	94.2	96.1	97.4	98.7	99.4	99.4	99.4	99.4
≥ 200		81.9	89.7	94.2	96.1	97.4	98.7	99.4	99.4	99.4	99.4
≥ 100		81.9	89.7	94.2	96.1	97.4	98.7	99.4	99.4	99.4	99.4
0		81.9	89.7	94.2	96.1	97.4	98.7	99.4	99.4	99.4	99.4

155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

UCT
MONTH

13
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½
NO CEILING		51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000		58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 18000		59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000		59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000		59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000		61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000		65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 9000		65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000		72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000		72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000		72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4500		73.6	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000		76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500		77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 3000		81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 2500		84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000		86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800		86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1500		90.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1200		92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000		93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900		93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800		93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700		93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 600		93.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500		93.6	96.8	97.4	98.1	98.7	98.7	99.4	99.4	99.4	99.4
≥ 400		93.6	96.8	97.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0
≥ 300		93.6	96.8	97.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0
≥ 200		93.6	96.8	97.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0
≥ 100		93.6	96.8	97.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0
0		93.6	96.8	97.4	98.1	98.7	99.4	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

UCT
MONTH

16

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													
≥ 20000	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 6000	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 5000	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4500	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 3000	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 2500	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2000	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1800	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1200	93.6	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1000	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 900	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 800	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 500	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 100	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 0	94.2	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		61.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000		71.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 18000		71.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 16000		71.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 14000		71.0	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 12000		71.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 10000		75.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 9000		76.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 8000		82.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 7000		83.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000		83.9	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 5000		85.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4500		85.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4000		86.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500		87.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3000		87.7	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500		88.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2000		89.7	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 1800		90.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500		90.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200		91.0	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000		91.0	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900		91.0	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800		91.6	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 700		91.6	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 600		92.3	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500		92.3	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400		92.3	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300		92.3	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200		92.3	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100		92.3	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0		92.3	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING		63.9	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.7	69.7	69.7	69.7
≥ 20000		67.1	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.9	72.9	72.9	72.9
≥ 18000		67.1	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.9	72.9	72.9	72.9
≥ 16000		67.1	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.9	72.9	72.9	72.9
≥ 14000		67.1	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.9	72.9	72.9	72.9
≥ 12000		67.7	72.3	72.9	72.9	72.9	72.9	72.9	72.9	73.6	73.6	73.6	73.6
≥ 10000		71.0	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.8	76.8	76.8	76.8
≥ 9000		71.0	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.8	76.8	76.8	76.8
8000		77.4	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9
7000		77.4	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.9	83.9	83.9	83.9
6000		78.1	83.2	83.9	83.9	83.9	83.9	83.9	83.9	84.5	84.5	84.5	84.5
5000		79.4	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8
4500		79.4	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.8	85.8	85.8	85.8
4000		81.3	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.7	87.7	87.7	87.7
3500		81.3	87.1	87.7	87.7	87.7	87.7	87.7	87.7	88.4	88.4	88.4	88.4
3000		82.6	88.4	89.7	89.7	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3
2500		83.9	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.6	91.6	91.6	91.6
2000		85.2	91.6	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6
1800		85.2	91.6	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6
1500		85.2	91.6	92.9	92.9	92.9	92.9	92.9	92.9	93.6	93.6	93.6	93.6
1200		85.8	92.3	94.8	94.8	94.8	94.8	94.8	94.8	95.5	95.5	95.5	95.5
1000		85.8	92.9	95.5	95.5	95.5	95.5	95.5	95.5	96.8	96.8	96.8	96.8
900		85.8	92.9	95.5	95.5	95.5	95.5	95.5	95.5	96.8	96.8	96.8	96.8
800		86.5	93.6	96.1	96.1	96.1	96.1	96.1	96.1	97.4	97.4	97.4	97.4
700		86.5	93.6	96.1	96.1	96.1	96.1	96.1	96.1	97.4	97.4	97.4	97.4
600		86.5	93.6	96.8	96.8	96.8	96.8	96.8	96.8	97.4	97.4	97.4	97.4
500		86.5	93.6	97.4	97.4	97.4	97.4	97.4	97.4	98.1	98.1	98.1	98.1
400		86.5	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7
300		86.5	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7
200		86.5	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7
100		86.5	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7
0		86.5	94.2	98.1	98.1	98.1	98.1	98.1	98.1	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING														≥ 0
≥ 20000		53.5	56.9	58.3	59.4	59.4	59.9	60.2	60.2	60.4	60.5	60.6	60.7	60.7
≥ 18000		59.7	63.6	65.1	66.3	66.3	66.9	67.2	67.2	67.4	67.5	67.6	67.8	67.8
≥ 16000		59.9	63.8	65.3	66.5	66.5	67.1	67.4	67.4	67.7	67.7	67.8	68.1	68.1
≥ 14000		60.0	63.9	65.4	66.6	66.6	67.2	67.5	67.5	67.7	67.8	67.9	68.2	68.2
≥ 12000		60.0	63.9	65.4	66.6	66.6	67.2	67.5	67.5	67.7	67.8	67.9	68.2	68.2
≥ 10000		60.6	64.4	66.0	67.2	67.2	67.7	68.1	68.1	68.3	68.4	68.5	68.7	68.7
≥ 9000		63.4	67.3	69.0	70.2	70.2	70.8	71.1	71.1	71.4	71.5	71.5	71.8	71.8
≥ 8000		63.5	67.4	69.1	70.3	70.3	70.9	71.2	71.2	71.5	71.5	71.6	71.9	71.9
≥ 7000		68.4	72.7	74.4	75.6	75.6	76.1	76.5	76.5	76.7	76.8	76.9	77.1	77.2
≥ 6000		69.6	73.9	75.7	76.9	76.9	77.4	77.7	77.7	78.0	78.1	78.2	78.4	78.5
≥ 5000		70.2	74.5	76.3	77.5	77.5	78.1	78.4	78.4	78.6	78.7	78.8	79.0	79.1
≥ 4500		71.0	75.3	77.2	78.4	78.4	79.0	79.3	79.3	79.5	79.6	79.7	79.9	80.0
≥ 4000		71.4	75.7	77.7	79.0	79.0	79.5	79.8	79.8	80.1	80.2	80.3	80.5	80.6
≥ 3500		72.7	77.1	79.0	80.3	80.3	80.4	81.0	81.3	81.5	81.6	81.7	81.9	82.0
≥ 3000		73.4	77.8	79.9	81.2	81.2	81.3	81.9	82.3	82.5	82.6	82.7	82.9	83.0
≥ 2500		75.2	80.1	82.4	83.7	83.7	84.4	84.8	84.8	85.1	85.2	85.2	85.5	85.6
≥ 2000		76.7	81.5	84.0	85.3	85.3	86.1	86.4	86.4	86.7	86.8	86.9	87.1	87.2
≥ 1800		78.2	83.5	86.0	87.4	87.4	88.2	88.6	88.6	88.9	89.0	89.0	89.3	89.4
≥ 1500		78.2	83.6	86.1	87.5	87.5	88.3	88.6	88.6	89.0	89.0	89.1	89.4	89.4
≥ 1200		79.4	85.0	87.8	89.3	89.3	89.4	90.2	90.5	90.8	90.9	91.0	91.2	91.3
≥ 1000		80.2	86.1	89.0	90.5	90.5	90.7	91.5	91.8	92.1	92.2	92.3	92.5	92.6
≥ 900		80.6	86.8	89.8	91.4	91.4	91.6	92.5	92.9	93.2	93.3	93.4	93.6	93.7
≥ 800		80.6	86.8	89.8	91.4	91.4	91.6	92.5	92.9	93.2	93.3	93.4	93.6	93.7
≥ 700		81.0	87.3	90.6	92.2	92.2	92.4	93.3	94.0	94.3	94.4	94.4	94.7	94.8
≥ 600		81.1	87.4	90.8	92.4	92.4	92.7	93.6	94.3	94.6	94.7	94.8	95.1	95.2
≥ 500		81.2	87.8	91.4	93.2	93.2	93.6	94.6	95.2	95.6	95.7	95.7	96.1	96.2
≥ 400		81.2	88.0	92.1	94.0	94.0	94.8	96.0	96.7	97.0	97.1	97.2	97.6	97.8
≥ 300		81.2	88.2	92.4	94.5	94.5	95.3	96.6	97.5	97.8	97.9	98.0	98.4	98.6
≥ 200		81.2	88.2	92.5	94.8	94.8	95.6	96.9	97.7	98.1	98.2	98.3	98.7	99.2
≥ 100		81.2	88.2	92.6	94.8	94.8	95.7	96.9	97.8	98.2	98.3	98.4	98.8	99.3
0		81.2	88.2	92.6	94.9	94.9	95.7	97.0	97.9	98.2	98.4	98.5	98.9	99.4
		81.2	88.2	92.6	94.9	94.9	95.7	97.0	97.9	98.2	98.4	98.5	98.9	99.4

TOTAL NUMBER OF OBSERVATIONS 1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	67.3	70.0	71.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 20000	1.3	70.0	72.7	74.0	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 18000	1.3	70.0	72.7	74.0	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 16000	1.3	70.0	72.7	74.0	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 14000	1.3	70.0	72.7	74.0	75.3	75.3	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 12000	1.3	70.7	73.3	74.7	76.0	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 10000	1.3	72.0	74.7	76.0	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 9000	1.3	72.0	74.7	76.0	77.3	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
8000	1.3	76.0	78.7	80.7	82.0	82.0	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
7000	1.3	76.7	79.3	81.3	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
6000	1.3	76.7	79.3	81.3	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
5000	1.3	78.0	80.7	82.7	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
4500	1.3	78.0	80.7	82.7	84.0	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
4000	1.3	78.7	81.3	83.3	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
3500	1.3	78.7	81.3	83.3	84.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
3000	1.3	80.7	84.0	86.0	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
2500	1.3	82.0	85.3	87.3	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
2000	1.3	82.0	85.3	88.0	89.3	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
1800	1.3	82.7	86.0	88.7	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
1500	1.3	82.7	86.0	88.7	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
1200	1.3	82.7	86.0	88.7	90.0	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
1000	1.3	84.7	88.0	90.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
900	1.3	84.7	88.0	90.7	92.7	92.7	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
800	1.3	84.7	88.7	92.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
700	1.3	84.7	88.7	92.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
600	1.3	84.7	88.7	92.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
500	1.3	84.7	88.7	92.0	94.0	94.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
400	1.3	84.7	88.7	92.0	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
300	1.3	84.7	88.7	92.0	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
200	1.3	84.7	88.7	92.0	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
100	1.3	84.7	88.7	92.0	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
0	1.3	84.7	88.7	92.0	94.7	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	1.3	60.0	65.3	68.0	69.3	69.3	70.0	70.0	70.7	70.7	70.7	70.7	70.7	71.3
≥ 20000	1.3	62.0	67.3	70.0	71.3	71.3	72.7	72.7	72.7	73.3	73.3	73.3	73.3	74.7
≥ 18000	1.3	62.0	67.3	70.0	71.3	71.3	72.7	72.7	72.7	73.3	73.3	73.3	73.3	74.7
≥ 16000	1.3	62.0	67.3	70.0	71.3	71.3	72.7	72.7	72.7	73.3	73.3	73.3	73.3	74.7
≥ 14000	1.3	62.0	67.3	70.0	71.3	71.3	72.7	72.7	72.7	73.3	73.3	73.3	73.3	74.7
≥ 12000	1.3	62.7	68.0	70.7	72.0	72.0	73.3	73.3	74.0	74.0	74.0	74.0	74.0	75.3
≥ 10000	1.3	64.7	70.0	72.7	74.0	74.0	75.3	75.3	76.0	76.0	76.0	76.0	76.0	77.3
≥ 9000	1.3	64.7	70.0	72.7	74.0	74.0	75.3	75.3	76.0	76.0	76.0	76.0	76.0	77.3
8000	1.3	66.7	72.0	74.7	76.0	76.0	77.3	77.3	78.0	78.0	78.0	78.0	78.0	79.3
7000	1.3	67.3	72.7	75.3	76.7	76.7	78.0	78.0	78.7	78.7	78.7	78.7	78.7	80.0
6000	1.3	68.0	73.3	76.0	77.3	77.3	78.7	78.7	79.3	79.3	79.3	79.3	79.3	80.7
5000	1.3	69.3	74.7	77.3	78.7	78.7	80.0	80.0	80.7	80.7	80.7	80.7	80.7	82.0
4500	1.3	69.3	74.7	77.3	78.7	78.7	80.0	80.0	80.7	80.7	80.7	80.7	80.7	82.0
4000	1.3	72.0	77.3	80.0	81.3	81.3	82.7	82.7	83.3	83.3	83.3	83.3	83.3	84.7
3500	1.3	72.7	78.0	80.7	82.0	82.0	83.3	83.3	84.0	84.0	84.0	84.0	84.0	85.3
3000	1.3	72.7	78.0	80.7	82.0	82.0	83.3	83.3	84.0	84.0	84.0	84.0	84.0	85.3
2500	1.3	73.3	78.7	81.3	82.7	82.7	84.0	84.0	84.7	84.7	84.7	84.7	84.7	86.0
2000	1.3	74.7	80.7	83.3	84.7	84.7	86.0	86.0	86.7	86.7	86.7	86.7	86.7	88.0
1800	1.3	74.7	80.7	83.3	84.7	84.7	86.0	86.0	86.7	86.7	86.7	86.7	86.7	88.0
1500	1.3	74.7	80.7	83.3	84.7	84.7	86.0	86.0	86.7	86.7	86.7	86.7	86.7	88.0
1200	1.3	76.0	82.0	84.7	86.7	86.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	90.7
1000	1.3	76.0	82.0	84.7	86.7	86.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	90.7
900	1.3	76.0	82.0	84.7	86.7	86.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	90.7
800	1.3	76.0	82.0	84.7	86.7	86.7	88.7	88.7	89.3	89.3	89.3	89.3	89.3	90.7
700	1.3	76.7	82.7	85.3	87.3	87.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	91.3
600	1.3	76.7	82.7	85.3	87.3	87.3	89.3	89.3	90.0	90.0	90.0	90.0	90.0	92.0
500	1.3	76.7	83.3	86.0	89.3	89.3	92.0	92.0	93.3	93.3	93.3	93.3	93.3	94.7
400	1.3	76.7	83.3	86.0	89.3	89.3	92.0	92.0	93.3	93.3	93.3	93.3	93.3	94.7
300	1.3	76.7	83.3	86.0	89.3	89.3	92.0	92.0	93.3	93.3	93.3	93.3	93.3	96.7
200	1.3	76.7	83.3	86.0	89.3	89.3	92.0	92.0	93.3	93.3	93.3	93.3	93.3	96.0
100	1.3	76.7	83.3	86.0	89.3	89.3	92.0	92.0	93.3	93.3	93.3	93.3	93.3	96.0
0	1.3	76.7	83.3	86.0	89.3	89.3	92.0	92.0	93.3	93.3	93.3	93.3	93.3	96.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

NDV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING		42.0	46.0	50.7	51.3	52.7	53.3	53.3	54.0	54.0	54.7	54.7	54.7
≥ 20000		49.3	54.0	58.7	59.3	60.7	61.3	61.3	62.0	62.0	63.3	63.3	64.7
≥ 18000		49.3	54.0	58.7	59.3	60.7	61.3	61.3	62.0	62.0	63.3	63.3	64.7
≥ 16000		49.3	54.0	58.7	59.3	60.7	61.3	61.3	62.0	62.0	63.3	63.3	64.7
≥ 14000		49.3	54.0	58.7	59.3	60.7	61.3	61.3	62.0	62.0	63.3	63.3	64.7
≥ 12000		50.0	54.7	59.3	60.0	61.3	62.0	62.0	62.7	62.7	64.0	64.0	65.3
≥ 10000		52.7	57.3	62.7	63.3	64.7	65.3	65.3	66.0	66.0	67.3	67.3	68.7
≥ 9000		52.7	57.3	62.7	63.3	64.7	65.3	65.3	66.0	66.0	67.3	67.3	68.7
≥ 8000		56.7	62.0	67.3	68.0	69.3	70.0	70.0	70.7	70.7	72.0	72.0	73.3
≥ 7000		57.3	63.3	68.7	69.3	70.7	71.3	71.3	72.0	72.0	73.3	73.3	74.7
≥ 6000		58.0	64.0	69.3	70.0	71.3	72.0	72.0	72.7	72.7	74.0	74.0	75.3
≥ 5000		58.7	65.3	70.7	71.3	72.7	73.3	73.3	74.0	74.0	75.3	75.3	76.7
≥ 4500		59.3	66.0	71.3	72.0	73.3	74.0	74.0	74.7	74.7	76.0	76.0	77.3
≥ 4000		60.7	67.3	72.7	73.3	74.7	75.3	75.3	76.0	76.0	77.3	77.3	78.7
≥ 3500		60.7	68.0	73.3	74.0	75.3	76.0	76.0	76.7	76.7	78.0	78.0	79.3
≥ 3000		63.3	70.7	76.0	76.7	78.0	78.7	78.7	79.3	79.3	80.7	80.7	82.0
≥ 2500		64.0	71.3	78.0	78.7	80.0	80.7	80.7	81.3	81.3	82.7	82.7	84.0
≥ 2000		65.3	73.3	80.0	80.7	82.0	82.7	82.7	83.3	83.3	84.7	84.7	86.0
≥ 1800		65.3	73.3	80.0	80.7	82.0	82.7	82.7	83.3	83.3	84.7	84.7	86.0
≥ 1500		66.7	74.7	81.3	82.0	83.3	84.0	84.0	84.7	84.7	86.0	86.0	87.3
≥ 1200		66.7	74.7	81.3	82.0	83.3	84.0	84.0	84.7	84.7	86.0	86.0	87.3
≥ 1000		66.7	74.7	82.0	82.7	84.0	84.7	84.7	85.3	85.3	86.7	86.7	88.0
≥ 900		66.7	74.7	82.0	82.7	84.0	84.7	84.7	85.3	85.3	86.7	86.7	88.0
≥ 800		67.3	75.3	82.7	83.3	84.7	85.3	85.3	86.0	86.0	87.3	87.3	88.7
≥ 700		67.3	75.3	82.7	83.3	84.0	85.3	85.3	86.0	86.0	87.3	87.3	88.7
≥ 600		68.0	76.0	83.3	84.0	85.3	86.7	86.7	87.3	87.3	88.7	88.7	90.0
≥ 500		68.7	76.7	84.0	86.0	87.3	88.0	88.0	88.7	88.7	90.0	90.0	92.0
≥ 400		68.7	76.7	84.0	86.0	87.3	88.7	88.7	89.3	89.3	90.7	90.7	92.0
≥ 300		69.3	77.3	84.7	87.3	88.7	89.3	89.3	90.0	90.0	91.3	91.3	93.3
≥ 200		69.3	77.3	84.7	87.3	88.7	89.3	89.3	90.0	90.0	91.3	91.3	93.3
≥ 100		69.3	77.3	84.7	87.3	88.7	89.3	89.3	90.0	90.0	91.3	91.3	93.3
0		69.3	77.3	84.7	87.3	88.7	89.3	89.3	90.0	90.0	91.3	91.3	93.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NOV

MONTH

10

HOURS (L.S.T.)

73-77

YEARS

STATION NAME

NEW RIVER, NORTH CAROLINA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	7	53.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	58.0	58.0	58.0	58.0
≥ 20000	7	62.7	67.3	67.3	67.3	67.3	68.0	68.0	68.0	68.7	68.7	68.7	68.7
≥ 18000	7	63.3	68.0	68.0	68.0	68.0	68.0	68.7	68.7	69.3	69.3	69.3	69.3
≥ 16000	7	63.3	68.0	68.0	68.0	68.0	68.0	68.7	68.7	69.3	69.3	69.3	69.3
≥ 14000	7	64.0	68.7	68.7	68.7	68.7	69.3	69.3	69.3	70.0	70.0	70.0	70.0
≥ 12000	7	66.0	70.7	70.7	70.7	70.7	71.3	71.3	71.3	72.0	72.0	72.0	72.0
≥ 10000	7	68.0	72.7	72.7	72.7	72.7	73.3	73.3	73.3	74.0	74.0	74.0	74.0
≥ 9000	7	68.7	73.3	73.3	73.3	73.3	74.0	74.0	74.0	74.7	74.7	74.7	74.7
≥ 8000	7	69.3	74.0	74.0	74.0	74.0	74.7	74.7	74.7	75.3	75.3	75.3	75.3
≥ 7000	7	71.3	76.0	76.0	76.0	76.0	76.7	76.7	76.7	77.3	77.3	77.3	77.3
≥ 6000	7	71.3	76.0	76.0	76.0	76.0	76.7	76.7	76.7	77.3	77.3	77.3	77.3
≥ 5000	7	73.3	78.7	78.7	78.7	78.7	79.3	79.3	79.3	80.0	80.0	80.0	80.0
≥ 4500	7	73.3	78.7	78.7	78.7	78.7	79.3	79.3	79.3	80.0	80.0	80.0	80.0
≥ 4000	7	75.3	80.7	81.3	81.3	81.3	82.0	82.0	82.0	82.7	82.7	82.7	82.7
≥ 3500	7	75.3	80.7	81.3	81.3	81.3	82.0	82.0	82.0	82.7	82.7	82.7	82.7
≥ 3000	7	80.0	85.3	86.0	86.0	86.0	86.7	86.7	86.7	87.3	87.3	87.3	87.3
≥ 2500	7	80.0	85.3	86.0	86.0	86.0	86.7	86.7	86.7	87.3	87.3	87.3	87.3
≥ 2000	7	82.0	88.0	89.3	89.3	89.3	90.0	90.0	90.0	90.7	90.7	90.7	90.7
≥ 1800	7	82.0	88.0	89.3	89.3	89.3	90.0	90.0	90.0	90.7	90.7	90.7	90.7
≥ 1500	7	82.0	88.0	89.3	89.3	89.3	90.0	90.0	90.0	90.7	90.7	90.7	90.7
≥ 1300	7	82.0	88.0	89.3	89.3	89.3	90.0	90.0	90.0	90.7	90.7	90.7	90.7
≥ 1000	7	83.3	89.3	90.7	90.7	90.7	91.3	91.3	91.3	92.0	92.0	92.0	92.0
≥ 900	7	83.3	89.3	90.7	90.7	90.7	91.3	91.3	91.3	92.0	92.0	92.0	92.0
≥ 800	7	83.3	89.3	90.7	90.7	90.7	91.3	91.3	91.3	92.0	92.0	92.0	92.0
≥ 700	7	83.3	90.0	92.0	92.0	92.0	92.7	92.7	92.7	93.3	93.3	94.0	94.0
≥ 600	7	84.0	90.7	92.7	92.7	92.7	93.3	93.3	94.0	94.7	95.3	95.3	95.3
≥ 500	7	84.7	91.3	94.0	94.0	94.0	94.7	95.3	96.0	96.7	96.7	96.7	96.7
≥ 400	7	84.7	91.3	94.0	94.0	94.0	94.7	95.3	96.0	96.7	96.7	96.7	96.7
≥ 300	7	84.7	91.3	94.0	94.0	94.0	94.7	95.3	96.0	96.7	96.7	96.7	96.7
≥ 200	7	84.7	91.3	94.0	94.0	94.0	94.7	95.3	96.0	96.7	96.7	96.7	96.7
≥ 100	7	84.7	91.3	94.0	94.0	94.0	94.7	95.3	96.0	96.7	96.7	96.7	96.7
0	7	84.7	91.3	94.0	94.0	94.0	94.7	95.3	96.0	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
18000	7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
16000	7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
14000	7	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
12000	7	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
10000	7	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
9000	7	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
8000	7	76.0	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
7000	7	76.7	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
6000	7	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
5000	7	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
4500	7	78.0	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
4000	7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
3500	7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
3000	7	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
2500	7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
2000	7	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
1800	7	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
1500	7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1200	7	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
1000	7	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
900	7	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
800	7	91.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
700	7	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
600	7	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
500	7	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
400	7	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
300	7	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
200	7	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
100	7	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
0	7	92.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0

TOTAL NUMBER OF OBSERVATIONS 150

2

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

CEILING VERSUS VISIBILITY

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

16
HOURS (L.S.T.)

5703 CEILING VERSUS VISIBILITY JAN 78

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 18000		67.3	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 16000		68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 14000		68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 12000		68.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 10000		70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 9000		70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 8000		74.0	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000		77.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000		78.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 5000		80.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500		80.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000		82.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500		83.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000		85.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	.7	87.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	.7	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800	.7	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	.7	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	.7	89.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	.7	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	.7	90.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 800	.7	91.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 700	.7	91.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 600	.7	92.0	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 500	.7	92.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400	.7	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 300	.7	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 200	.7	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 100	.7	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
0	.7	92.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

NOV
MONTH

19
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	7	65.3	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 20000	7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 18000	7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 16000	7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 14000	7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 12000	7	69.3	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 10000	7	71.3	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 9000	7	72.0	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 8000	7	77.3	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 7000	7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	7	78.7	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 5000	7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	7	81.3	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4000	7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	7	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	7	86.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	7	86.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	7	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1800	7	88.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1500	7	88.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	7	88.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1000	7	90.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	7	90.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 800	7	90.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 700	7	90.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 600	7	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	7	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400	7	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 300	7	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 200	7	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 100	7	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
0	7	91.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	7	66.7	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 20000	7	70.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 18000	7	70.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 16000	7	70.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 14000	7	70.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 12000	7	71.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 10000	7	74.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 9000	7	74.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 8000	7	76.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000	7	77.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	7	77.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	7	78.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	7	79.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4000	7	80.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	7	80.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	7	82.7	87.3	87.3	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 2500	7	83.3	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 2000	7	83.3	88.0	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1800	7	84.0	88.7	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	7	84.7	89.3	89.3	90.0	90.0	90.0	90.7	90.7	90.7	90.7	90.7
≥ 1200	7	84.7	90.0	90.7	91.3	91.3	91.3	92.0	92.0	92.0	92.0	92.0
≥ 1000	7	86.7	92.0	92.7	93.3	93.3	93.3	94.0	94.0	94.0	94.0	94.0
≥ 900	7	87.3	92.7	93.3	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7
≥ 800	7	87.3	93.3	94.0	94.7	94.7	94.7	95.3	95.3	95.3	95.3	95.3
≥ 700	7	88.0	94.0	94.7	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 600	7	88.0	94.0	94.7	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 500	7	88.0	94.0	94.7	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 400	7	88.0	94.0	94.7	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 300	7	88.0	94.0	94.7	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 200	7	88.0	94.0	94.7	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 100	7	88.0	94.0	94.7	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0
≥ 0	7	88.0	94.0	94.7	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0

TOTAL NUMBER OF OBSERVATIONS 150

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	7	58.7	61.2	62.3	62.7	62.8	63.0	63.0	63.0	63.3	63.3	63.3	63.3	63.3
≥ 20000	7	64.8	67.6	68.7	69.1	69.3	69.7	69.7	69.7	69.9	69.9	69.9	70.1	70.3
≥ 18000	7	65.0	67.8	68.9	69.3	69.5	69.9	69.9	69.9	70.2	70.2	70.2	70.3	70.5
≥ 16000	7	65.0	67.8	68.9	69.3	69.5	69.9	69.9	69.9	70.2	70.2	70.2	70.3	70.5
≥ 14000	7	65.1	67.9	69.0	69.4	69.6	70.0	70.0	70.0	70.3	70.3	70.3	70.4	70.6
≥ 12000	7	65.9	68.8	69.8	70.3	70.4	70.8	70.8	70.8	71.1	71.1	71.3	71.3	71.4
≥ 10000	7	68.1	70.9	72.1	72.5	72.7	73.1	73.1	73.1	73.3	73.3	73.3	73.5	73.7
≥ 9000	7	68.3	71.1	72.3	72.7	72.8	73.3	73.3	73.3	73.5	73.5	73.7	73.7	73.8
≥ 8000	7	71.5	74.4	75.7	76.1	76.3	76.7	76.7	76.7	76.9	76.9	77.1	77.1	77.3
≥ 7000	7	72.8	75.9	77.2	77.6	77.8	78.2	78.2	78.2	78.4	78.4	78.6	78.6	78.8
≥ 6000	7	73.2	76.3	77.5	77.9	78.1	78.5	78.5	78.5	78.8	78.8	78.9	78.9	79.1
≥ 5000	7	74.7	77.9	79.2	79.6	79.8	80.2	80.2	80.2	80.4	80.4	80.6	80.6	80.8
≥ 4500	7	74.9	78.2	79.4	79.8	80.0	80.4	80.4	80.4	80.7	80.7	80.8	80.8	81.0
≥ 4000	7	76.6	79.8	81.2	81.6	81.8	82.2	82.2	82.2	82.4	82.4	82.6	82.6	83.1
≥ 3500	7	77.1	80.6	81.9	82.3	82.5	82.9	82.9	82.9	83.2	83.2	83.3	83.3	83.8
≥ 3000	7	79.3	83.0	84.3	84.8	85.0	85.5	85.5	85.5	85.8	85.8	85.9	85.9	86.4
≥ 2500	8	80.2	83.9	85.4	85.9	86.1	86.6	86.6	86.6	86.8	86.8	87.0	87.0	87.5
≥ 2000	8	81.3	85.4	87.1	87.6	87.8	88.3	88.3	88.3	88.5	88.5	88.7	88.7	89.2
≥ 1800	8	81.6	85.7	87.3	87.8	88.0	88.5	88.5	88.5	88.8	88.8	88.9	88.9	89.4
≥ 1500	8	82.3	86.6	88.3	88.8	88.9	89.4	89.4	89.4	89.8	89.8	89.9	89.9	90.4
≥ 1200	8	82.6	86.9	88.7	89.3	89.4	90.1	90.2	90.2	90.4	90.4	90.7	90.7	91.2
≥ 1000	8	83.7	88.2	90.0	90.9	91.1	91.8	92.0	92.0	92.3	92.3	92.5	92.5	93.0
≥ 900	8	83.8	88.3	90.2	91.1	91.3	92.0	92.3	92.3	92.5	92.5	92.8	92.8	93.3
≥ 800	8	83.9	88.6	90.6	91.5	91.7	92.5	92.8	92.8	93.0	93.0	93.3	93.3	93.8
≥ 700	8	84.3	89.1	91.3	92.3	92.4	93.3	93.5	93.5	93.8	93.8	94.0	94.0	94.6
≥ 600	8	84.6	89.5	91.8	92.8	93.1	93.9	94.2	94.2	94.4	94.4	94.7	94.7	95.3
≥ 500	8	84.8	89.8	92.2	93.4	93.7	94.6	94.9	94.9	95.3	95.3	95.6	95.6	96.2
≥ 400	8	84.8	89.9	92.3	93.7	94.1	95.4	95.8	95.8	96.2	96.3	96.6	96.6	97.2
≥ 300	8	84.8	90.0	92.4	94.0	94.5	96.1	96.5	96.5	97.2	97.3	97.7	97.7	98.3
≥ 200	8	84.8	90.0	92.4	94.0	94.5	96.2	96.7	96.7	97.4	97.6	98.2	98.2	99.3
≥ 100	8	84.8	90.0	92.4	94.0	94.5	96.2	96.7	96.7	97.5	97.7	98.3	98.3	99.5
≥ 0	8	84.8	90.0	92.4	94.0	94.5	96.2	96.8	96.8	97.7	97.8	98.4	98.4	99.1

TOTAL NUMBER OF OBSERVATIONS 1200

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEAR

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

01
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000		54.2	56.1	56.8	57.4	57.4	57.4	57.4	57.4	57.4	57.4	58.1	58.1
≥ 18000		56.1	58.1	58.7	59.4	59.4	59.4	59.4	59.4	59.4	59.4	60.0	60.0
≥ 16000		56.1	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.7	60.7
≥ 14000		56.1	58.7	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.7	60.7
≥ 12000		56.8	59.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.3	61.3
≥ 10000		56.8	59.4	60.0	60.7	60.7	60.7	60.7	60.7	60.7	60.7	61.3	61.3
≥ 9000		60.7	63.2	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	65.2	65.2
≥ 8000		63.9	66.5	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	68.4	68.4
≥ 7000		65.8	68.4	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3	70.3
≥ 6000		65.8	68.4	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3	70.3
≥ 5000		67.1	69.7	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.6	71.6
≥ 4500		68.4	71.0	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.9	72.9
≥ 4000		71.6	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	76.1	76.1
≥ 3500		71.6	74.2	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	76.1	76.1
≥ 3000		74.2	77.4	78.1	78.7	78.7	78.7	78.7	78.7	78.7	78.7	79.4	79.4
≥ 2500		76.1	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	82.6	82.6
≥ 2000		76.1	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	82.6	82.6
≥ 1800		76.1	80.0	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	82.6	82.6
≥ 1500		78.1	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	85.8	85.8
≥ 1200		78.1	83.2	83.9	84.5	84.5	84.5	84.5	84.5	84.5	84.5	85.8	85.8
≥ 1000		78.7	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	86.5	86.5
≥ 900		78.7	83.9	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	86.5	86.5
≥ 800		79.4	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	87.1	87.1
≥ 700		79.4	84.5	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	87.1	87.1
≥ 600		79.4	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	88.4	88.4
≥ 500		79.4	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	88.4	88.4
≥ 400		79.4	85.8	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	88.4	88.4
≥ 300		80.0	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	89.7	89.7
≥ 200		80.0	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	89.7	89.7
≥ 100		80.0	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	89.7	89.7
0		80.0	86.5	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	89.7	89.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

04
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING											
≥ 20000	52.9	55.5	56.8	56.8	56.8	56.8	58.7	58.7	60.0	60.0	60.0
≥ 18000	55.5	58.1	59.4	59.4	59.4	59.4	61.9	61.9	63.2	63.2	63.2
≥ 16000	55.5	58.1	59.4	59.4	59.4	59.4	61.9	61.9	63.2	63.2	63.2
≥ 14000	55.5	58.1	59.4	59.4	59.4	59.4	61.9	61.9	63.2	63.2	63.2
≥ 12000	56.1	58.7	60.0	60.0	60.0	60.0	62.6	62.6	63.9	63.9	63.9
≥ 10000	56.8	59.4	60.7	60.7	60.7	60.7	63.2	63.2	64.5	64.5	64.5
≥ 9000	60.7	63.2	64.5	64.5	64.5	64.5	67.1	67.1	68.4	68.4	68.4
≥ 8000	61.3	63.9	65.2	65.2	65.2	65.2	67.7	67.7	69.0	69.0	69.0
≥ 7000	63.9	66.5	67.7	67.7	67.7	67.7	70.3	70.3	71.6	71.6	71.6
≥ 6000	65.2	67.7	69.0	69.0	69.0	69.0	71.6	71.6	72.9	72.9	72.9
≥ 5000	65.2	67.7	69.0	69.0	69.0	69.0	71.6	71.6	72.9	72.9	72.9
≥ 4500	65.8	68.4	69.7	69.7	69.7	69.7	72.3	72.3	73.6	73.6	73.6
≥ 4000	66.5	69.0	70.3	70.3	70.3	70.3	72.9	72.9	74.2	74.2	74.2
≥ 3500	67.1	70.3	71.6	71.6	71.6	71.6	74.2	74.2	75.5	75.5	75.5
≥ 3000	67.7	71.0	72.3	72.3	72.3	72.3	74.8	74.8	76.1	76.1	76.1
≥ 2500	69.0	72.9	74.2	74.2	74.2	74.2	77.4	77.4	78.7	78.7	78.7
≥ 2000	71.6	75.5	76.8	76.8	76.8	76.8	80.0	80.0	81.3	81.3	81.3
≥ 1800	72.3	76.1	78.1	78.1	78.1	78.1	81.3	81.3	82.6	82.6	82.6
≥ 1500	72.3	76.1	78.1	78.1	78.1	78.1	81.3	81.3	82.6	82.6	82.6
≥ 1200	74.2	79.4	81.3	81.3	81.3	81.3	85.2	85.2	86.5	86.5	86.5
≥ 1000	74.8	80.0	81.9	81.9	81.9	81.9	85.8	85.8	87.1	87.1	87.1
≥ 900	75.5	81.9	83.9	83.9	83.9	83.9	87.7	87.7	89.0	89.0	89.0
≥ 800	75.5	81.9	83.9	83.9	83.9	83.9	87.7	87.7	89.0	89.0	89.0
≥ 700	76.1	82.6	84.5	84.5	84.5	84.5	89.0	89.0	91.0	91.0	91.0
≥ 600	76.1	82.6	84.5	84.5	84.5	84.5	89.0	89.0	91.0	91.0	91.0
≥ 500	76.1	83.2	85.2	85.2	85.2	85.2	90.3	90.3	91.6	91.6	91.6
≥ 400	76.1	83.9	85.8	85.8	85.8	85.8	91.0	91.0	92.3	92.3	92.3
≥ 300	76.1	83.9	85.8	85.8	85.8	85.8	91.0	91.0	92.3	92.3	92.3
≥ 200	76.1	83.9	85.8	85.8	85.8	85.8	91.0	91.0	92.3	92.3	92.3
≥ 100	76.8	84.5	86.5	86.5	86.5	86.5	94.2	94.2	96.1	96.1	96.1
0	76.8	84.5	86.5	86.5	86.5	86.5	94.2	94.2	96.1	96.1	96.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

07
HOURS (L S T)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING															
≥ 20000		43.2	45.2	46.5	48.4	48.4	49.0	49.0	49.0	49.7	49.7	49.7	49.7	50.3	50.3
≥ 18000		48.4	50.3	51.6	53.6	53.6	54.2	54.2	54.2	54.8	54.8	54.8	54.8	55.5	55.5
≥ 16000		48.4	50.3	51.6	53.6	53.6	54.2	54.2	54.2	54.8	54.8	54.8	54.8	55.5	55.5
≥ 14000		48.4	50.3	51.6	53.6	53.6	54.2	54.2	54.2	54.8	54.8	54.8	54.8	55.5	55.5
≥ 12000		48.4	50.3	51.6	53.6	53.6	54.2	54.2	54.2	54.8	54.8	54.8	54.8	55.5	55.5
≥ 10000		50.3	52.3	53.6	55.5	55.5	56.1	56.1	56.1	56.8	56.8	56.8	56.8	57.4	57.4
≥ 9000		51.0	52.9	54.2	56.1	56.1	57.4	57.4	57.4	58.1	58.1	58.1	58.1	58.7	58.7
≥ 8000		53.6	56.1	57.4	59.4	59.4	60.7	60.7	60.7	61.3	61.3	61.3	61.3	61.9	61.9
≥ 7000		54.8	57.4	58.7	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.9	63.9
≥ 6000		54.8	57.4	58.7	60.7	60.7	62.6	62.6	62.6	63.2	63.2	63.2	63.2	63.9	63.9
≥ 5000		56.1	58.7	60.0	61.9	61.9	63.9	63.9	63.9	64.5	64.5	64.5	64.5	65.2	65.2
≥ 4500		58.1	61.3	62.6	64.5	64.5	66.5	66.5	66.5	67.1	67.1	67.1	67.1	67.7	67.7
≥ 4000		59.4	63.2	64.5	66.5	66.5	68.4	68.4	68.4	69.0	69.0	69.0	69.0	69.7	69.7
≥ 3500		61.9	65.8	67.1	69.0	69.0	71.0	71.0	71.0	71.6	71.6	71.6	71.6	72.3	72.3
≥ 3000		65.2	69.0	70.3	72.3	72.3	74.2	74.2	74.2	74.8	74.8	74.8	74.8	75.5	75.5
≥ 2500		67.7	72.3	73.6	75.5	75.5	77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.7	78.7
≥ 2000		69.0	73.6	75.5	77.4	77.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.7	80.7
≥ 1800		69.0	73.6	75.5	77.4	77.4	79.4	79.4	79.4	80.0	80.0	80.0	80.0	80.7	80.7
≥ 1500		72.3	76.8	78.7	80.7	80.7	83.2	83.2	83.2	83.9	83.9	83.9	83.9	84.5	84.5
≥ 1200		74.2	78.7	80.7	82.6	82.6	85.2	85.2	85.2	85.8	85.8	85.8	85.8	86.5	86.5
≥ 1000		74.2	79.4	81.3	83.2	83.2	85.8	85.8	85.8	87.1	87.1	87.1	87.1	87.7	87.7
≥ 900		75.5	80.7	82.6	84.5	84.5	87.1	87.1	87.1	88.4	88.4	88.4	88.4	89.0	89.0
≥ 800		76.1	81.9	83.9	85.8	85.8	89.0	89.0	89.0	90.3	90.3	90.3	90.3	91.0	91.0
≥ 700		76.1	81.9	83.9	85.8	85.8	89.0	89.0	89.0	90.3	90.3	90.3	90.3	91.0	91.0
≥ 600		77.4	83.2	85.2	87.1	87.1	90.3	90.3	90.3	92.3	92.3	92.3	92.3	92.9	92.9
≥ 500		77.4	83.2	85.2	87.1	87.1	91.6	91.6	91.6	94.2	94.2	94.2	94.2	94.8	94.8
≥ 400		77.4	83.2	85.2	87.1	87.1	91.6	91.6	91.6	94.2	94.2	94.2	94.2	95.5	95.5
≥ 300		78.7	84.5	86.5	89.7	89.7	93.6	93.6	93.6	97.4	97.4	97.4	97.4	98.1	98.1
≥ 200		78.7	84.5	86.5	89.7	89.7	93.6	93.6	93.6	97.4	97.4	97.4	97.4	98.1	98.1
≥ 100		78.7	84.5	86.5	89.7	89.7	93.6	93.6	93.6	97.4	97.4	97.4	97.4	98.1	98.1
≥ 0		78.7	84.5	86.5	89.7	89.7	93.6	93.6	93.6	97.4	97.4	97.4	97.4	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ 5/16
NO CEILING											
≥ 20000	43.9	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 18000	51.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	54.2	54.2	54.2
≥ 16000	52.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.5	55.5	55.5
≥ 14000	52.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.5	55.5	55.5
≥ 12000	52.9	54.8	54.8	54.8	54.8	54.8	54.8	54.8	55.5	55.5	55.5
≥ 10000	54.2	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.8	56.8	56.8
≥ 9000	54.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.4	57.4	57.4
≥ 8000	58.7	60.7	62.6	62.6	62.6	62.6	62.6	62.6	63.2	63.2	63.2
≥ 7000	61.3	63.2	65.2	65.2	65.2	65.2	65.2	65.2	65.8	65.8	65.8
≥ 6000	62.6	64.5	66.5	66.5	66.5	66.5	66.5	66.5	67.1	67.1	67.1
≥ 5000	63.9	65.8	67.7	67.7	67.7	67.7	67.7	67.7	68.4	68.4	68.4
≥ 4500	65.8	67.7	69.7	69.7	69.7	69.7	69.7	69.7	70.3	70.3	70.3
≥ 4000	69.0	71.0	72.9	72.9	72.9	72.9	72.9	72.9	73.6	73.6	73.6
≥ 3500	69.7	71.6	73.6	73.6	73.6	73.6	73.6	73.6	74.2	74.2	74.2
≥ 3000	74.8	76.8	78.7	78.7	78.7	78.7	78.7	78.7	79.4	79.4	79.4
≥ 2500	78.1	80.0	81.9	81.9	81.9	81.9	81.9	81.9	82.6	82.6	82.6
≥ 2000	80.0	81.9	83.9	83.9	83.9	84.5	84.5	84.5	85.2	85.2	85.2
≥ 1800	80.0	81.9	83.9	83.9	83.9	84.5	84.5	84.5	85.2	85.2	85.2
≥ 1500	81.9	84.5	87.1	87.1	87.1	87.7	87.7	87.7	88.4	88.4	88.4
≥ 1200	81.9	84.5	87.1	87.1	87.1	87.7	87.7	87.7	89.0	89.0	89.0
≥ 1000	83.9	86.5	89.0	89.0	89.0	89.7	89.7	89.7	91.0	91.0	91.0
≥ 900	84.5	87.1	89.7	89.7	89.7	90.3	90.3	90.3	91.6	91.6	91.6
≥ 800	85.2	87.7	90.3	91.0	91.0	91.6	91.6	91.6	92.9	92.9	92.9
≥ 700	85.2	87.7	90.3	91.0	91.0	91.6	91.6	91.6	92.9	92.9	92.9
≥ 600	85.2	87.7	90.3	91.0	91.0	91.6	91.6	91.6	92.9	92.9	92.9
≥ 500	85.2	88.4	92.3	92.9	92.9	93.6	93.6	94.8	97.4	97.4	97.4
≥ 400	85.8	89.0	92.9	93.6	93.6	94.2	94.2	96.1	98.7	98.7	98.7
≥ 300	85.8	89.0	92.9	94.8	95.5	95.5	95.5	97.4	100.0	100.0	100.0
≥ 200	85.8	89.0	92.9	94.8	95.5	95.5	95.5	97.4	100.0	100.0	100.0
≥ 100	85.8	89.0	92.9	94.8	95.5	95.5	95.5	97.4	100.0	100.0	100.0
0	85.8	89.0	92.9	94.8	95.5	95.5	95.5	97.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

153

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													
≥ 20000	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 18000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 12000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 10000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 9000	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 7000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 6000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 5000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 2500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1200	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 800	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 700	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 600	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 500	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 400	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 300	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 200	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 100	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727

NEW RIVER, NORTH CAROLINA

73-77

DEC

STATION NAME

YEARS

MONTH

16

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	1.3	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	1.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	1.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 16000	1.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	1.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 12000	1.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 10000	1.3	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	1.3	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	1.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 7000	1.3	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	1.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	1.3	61.9	62.6	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 4500	1.3	62.6	63.2	63.2	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 4000	1.3	67.7	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 3500	1.3	69.7	70.3	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 3000	1.3	74.2	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2500	1.3	78.1	78.7	78.7	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2000	1.3	80.7	81.3	81.3	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	1.3	80.7	81.3	81.3	81.9	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	1.3	82.6	84.5	84.5	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	1.3	83.2	85.2	85.2	85.8	85.8	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1000	1.3	85.2	89.0	89.0	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 900	1.3	85.2	89.0	89.0	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 800	1.3	85.2	89.0	89.0	89.7	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 700	1.3	85.8	89.7	91.0	91.6	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600	1.3	86.5	90.3	91.6	92.3	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	1.3	86.5	91.0	92.9	93.6	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	1.3	87.1	92.3	94.2	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	1.3	87.1	92.3	94.2	95.5	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	1.3	87.1	92.9	94.8	96.1	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	1.3	87.1	92.9	94.8	96.1	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	1.3	87.1	92.9	94.8	96.1	96.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 16000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 14000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 10000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 8000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 5000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 2500	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1200	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 700	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 600	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 500	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 400	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 300	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 200	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 100	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
0	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

22
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING													≥ 0
≥ 20000		55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.8	56.8
≥ 18000		57.4	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.7	58.7
≥ 16000		58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4	59.4
≥ 14000		58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4	59.4
≥ 12000		58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.4	59.4
≥ 10000		61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	60.0	60.0
≥ 9000		61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	60.0	60.0
8000		64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	67.1	67.1
7000		64.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	67.1	67.1
6000		65.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	67.7	67.7
5000		65.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	68.4	68.4
4500		66.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	69.0	69.0
4000		71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	74.2	74.2
3500		71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	74.2	74.2
3000		73.6	75.5	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	77.4	77.4
2500		78.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	82.6	82.6
2000		82.6	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	87.1	87.1
1800		82.6	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	87.1	87.1
1500		82.6	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	87.1	87.1
1200		82.6	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	87.1	87.1
1000		83.2	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	87.1	87.1
900		83.2	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	87.1	87.1
800		83.2	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	87.1	87.1
700		83.2	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	87.1	87.1
600		83.2	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	87.1	87.1
500		83.2	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	87.1	87.1
400		83.2	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	87.1	87.1
300		83.2	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	87.1	87.1
200		83.2	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	87.1	87.1
100		83.2	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	87.1	87.1
0		83.2	85.8	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	87.1	87.1

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

STATION NAME NEW RIVER, NORTH CAROLINA

73-77

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	.2	48.7	49.8	50.2	50.6	50.6	50.9	50.9	50.9	51.1	51.1	51.1	51.4
At 20000	.2	53.6	54.7	55.1	55.4	55.4	55.8	55.8	55.8	56.1	56.1	56.1	56.4
At 18000	.2	54.3	55.5	55.9	56.2	56.2	56.6	56.6	56.6	56.9	56.9	57.1	57.2
At 16000	.2	54.3	55.5	55.9	56.2	56.2	56.6	56.6	56.6	56.9	56.9	57.1	57.2
At 14000	.2	54.4	55.7	56.1	56.4	56.4	56.8	56.8	56.8	57.1	57.1	57.3	57.3
At 12000	.2	55.1	56.3	56.7	57.0	57.0	57.4	57.4	57.4	57.7	57.7	57.9	58.0
At 10000	.2	57.8	59.0	59.4	59.8	59.8	60.2	60.2	60.2	60.6	60.6	60.7	60.8
At 9000	.2	58.2	59.4	59.8	60.1	60.1	60.6	60.6	60.6	61.0	61.0	61.1	61.2
At 8000	.2	61.2	62.7	63.3	63.6	63.6	64.1	64.1	64.1	64.5	64.5	64.7	64.8
At 7000	.2	62.9	64.4	65.0	65.3	65.3	65.9	65.9	65.9	66.3	66.3	66.5	66.5
At 6000	.2	63.6	65.2	65.8	66.1	66.1	66.7	66.7	66.7	67.1	67.1	67.3	67.3
At 5000	.2	64.5	66.1	66.7	67.1	67.1	67.7	67.7	67.7	68.1	68.1	68.2	68.3
At 4500	.2	65.7	67.3	67.9	68.3	68.3	68.9	68.9	68.9	69.3	69.3	69.4	69.5
At 4000	.2	68.9	70.7	71.3	71.7	71.7	72.3	72.3	72.3	72.7	72.7	72.8	72.9
At 3500	.2	69.9	71.7	72.3	72.7	72.7	73.3	73.3	73.3	73.7	73.7	73.9	74.0
At 3000	.2	73.2	75.2	75.9	76.5	76.5	77.0	77.1	77.1	77.5	77.5	77.7	77.8
At 2500	.2	76.4	78.6	79.4	79.9	79.9	80.7	80.7	80.7	81.2	81.2	81.4	81.5
At 2000	.2	78.2	80.5	81.5	82.0	82.1	82.8	83.0	83.0	83.5	83.6	83.7	83.9
At 1800	.2	78.3	80.6	81.5	82.1	82.1	82.9	83.1	83.1	83.6	83.6	83.8	84.0
At 1500	.2	80.1	82.9	84.0	84.5	84.7	85.6	85.7	85.7	86.2	86.3	86.5	86.6
At 1200	.2	80.6	83.4	84.5	85.1	85.2	86.1	86.3	86.3	86.9	86.9	87.1	87.3
At 1000	.2	81.9	85.3	86.9	87.5	87.7	88.7	88.9	88.9	89.5	89.6	89.8	90.0
At 900	.2	82.3	85.7	87.4	88.0	88.2	89.2	89.4	89.4	90.0	90.1	90.2	90.5
At 800	.2	82.6	86.1	87.9	88.6	88.8	89.9	90.2	90.2	90.8	90.9	91.1	91.3
At 700	.2	82.7	86.4	88.6	89.3	89.5	90.7	90.9	90.9	91.5	91.6	91.8	92.0
At 600	.2	83.0	87.0	89.4	90.2	90.5	91.6	91.9	91.9	92.7	92.7	93.0	93.1
At 500	.2	83.1	87.3	90.4	91.9	92.2	93.4	94.0	94.0	95.3	95.4	95.9	96.1
At 400	.2	83.5	87.9	91.1	92.7	93.1	94.4	95.1	95.1	96.5	96.5	97.2	97.4
At 300	.2	83.9	88.3	91.7	93.8	94.1	95.5	96.5	96.5	98.1	98.3	99.0	99.2
At 200	.2	83.9	88.4	91.9	94.0	94.4	95.9	96.9	96.9	98.6	98.9	99.5	99.8
At 100	.2	83.9	88.4	91.9	94.0	94.4	95.9	96.9	96.9	98.6	99.0	99.6	99.8
At 0	.2	83.9	88.4	91.9	94.1	94.4	96.0	96.9	96.9	98.7	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NC

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	.5	47.8	51.2	52.8	53.5	53.6	54.0	54.1	54.1	54.3	54.3	54.3	54.4	54.4
≥ 20000	.6	54.1	58.1	60.0	60.8	60.9	61.4	61.5	61.5	61.7	61.7	61.7	61.8	61.9
≥ 18000	.6	54.4	58.4	60.3	61.1	61.3	61.7	61.8	61.8	62.0	62.1	62.1	62.2	62.2
≥ 16000	.6	54.4	58.4	60.3	61.1	61.3	61.7	61.9	61.9	62.0	62.1	62.1	62.2	62.3
≥ 14000	.6	54.5	58.6	60.5	61.3	61.5	61.9	62.0	62.0	62.2	62.3	62.3	62.4	62.4
≥ 12000	.6	55.2	59.3	61.2	62.0	62.2	62.6	62.8	62.8	63.0	63.0	63.1	63.1	63.3
≥ 10000	.7	58.1	62.3	64.3	65.1	65.3	65.8	65.9	65.9	66.1	66.1	66.2	66.3	66.4
≥ 9000	.7	58.2	62.4	64.4	65.3	65.4	65.9	66.0	66.0	66.3	66.3	66.4	66.4	66.6
≥ 8000	.7	61.9	66.5	68.7	69.6	69.8	70.3	70.4	70.4	70.6	70.6	70.7	70.8	70.8
≥ 7000	.7	63.2	67.8	70.0	71.0	71.1	71.6	71.8	71.8	72.0	72.0	72.0	72.2	72.3
≥ 6000	.7	63.5	68.2	70.4	71.3	71.5	72.0	72.1	72.1	72.4	72.4	72.4	72.5	72.6
≥ 5000	.7	64.4	69.1	71.4	72.3	72.5	73.0	73.2	73.2	73.4	73.4	73.4	73.5	73.6
≥ 4500	.7	64.8	69.6	71.9	72.8	73.0	73.5	73.7	73.7	73.9	73.9	73.9	74.1	74.1
≥ 4000	.7	66.2	71.1	73.4	74.4	74.6	75.1	75.3	75.3	75.5	75.5	75.5	75.6	75.7
≥ 3500	.7	67.0	72.0	74.3	75.3	75.5	76.1	76.2	76.2	76.4	76.5	76.5	76.6	76.7
≥ 3000	.8	70.2	75.6	78.2	79.3	79.5	80.1	80.3	80.3	80.5	80.6	80.6	80.7	80.8
≥ 2500	.8	72.9	78.8	81.6	82.9	83.1	83.7	83.9	83.9	84.2	84.2	84.2	84.3	84.4
≥ 2000	.8	74.7	80.9	83.9	85.3	85.5	86.2	86.4	86.4	86.7	86.8	86.8	86.9	87.0
≥ 1800	.8	74.9	81.1	84.1	85.4	85.6	86.4	86.6	86.6	86.9	86.9	86.9	87.0	87.1
≥ 1500	.8	76.6	83.2	86.5	87.9	88.2	89.0	89.3	89.3	89.6	89.6	89.6	89.7	89.8
≥ 1200	.8	77.1	83.9	87.3	88.8	89.0	89.9	90.1	90.1	90.4	90.5	90.5	90.6	90.7
≥ 1000	.9	78.3	85.5	89.1	90.9	91.2	92.2	92.5	92.5	92.8	92.9	92.9	93.0	93.1
≥ 900	.9	78.4	85.7	89.4	91.2	91.5	92.5	92.8	92.8	93.2	93.2	93.2	93.4	93.5
≥ 800	.9	78.7	86.1	90.0	91.8	92.1	93.2	93.6	93.6	93.9	94.0	94.0	94.2	94.3
≥ 700	.9	78.9	86.4	90.5	92.4	92.8	93.9	94.3	94.3	94.7	94.7	94.8	94.9	95.0
≥ 600	.9	79.1	86.7	90.9	93.0	93.4	94.5	95.0	95.0	95.4	95.5	95.5	95.7	95.8
≥ 500	.9	79.2	87.1	91.6	93.9	94.3	95.7	96.3	96.3	96.8	96.9	97.0	97.2	97.3
≥ 400	.9	79.3	87.3	91.9	94.3	94.8	96.3	96.9	96.9	97.5	97.7	97.7	97.9	98.0
≥ 300	.9	79.4	87.4	92.1	94.6	95.1	96.7	97.3	97.3	98.1	98.3	98.3	98.6	98.7
≥ 200	.9	79.4	87.4	92.2	94.7	95.2	96.8	97.6	97.6	98.3	98.6	98.6	99.0	99.2
≥ 100	.9	79.4	87.4	92.2	94.7	95.2	96.9	97.6	97.6	98.4	98.6	98.6	99.1	99.4
≥ 0	.9	79.4	87.4	92.2	94.7	95.2	96.9	97.7	97.7	98.4	98.7	98.7	99.1	99.5

14607

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

SKY COVER

93727

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

PERIOD

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	01	41.8	.7	5.0	5.0	5.7	2.1	2.1	4.3	3.5	3.5	26.2	4.2	141
	04	40.4	.7	6.4	5.7	5.0	5.0	2.8	3.5	5.7	1.4	23.4	4.1	141
	07	29.1	.7	8.5	4.3	5.0	6.4	2.1	2.8	6.4	5.0	29.8	5.1	141
	10	29.1	6.4	4.3	5.0	2.1	2.1	2.8	7.8	7.1	5.0	28.4	5.1	141
	13	27.7	3.5	7.1	2.8	2.8	2.1	3.5	7.8	9.9	2.8	29.8	5.3	141
	16	23.4	5.0	5.7	2.8	5.0	5.0	2.8	.7	12.1	8.5	29.1	5.6	141
	19	25.5	5.0	6.4	9.9	1.4	7.1	3.5	5.0	6.4	2.8	27.0	4.9	141
	22	38.3	1.4	5.7	6.4	5.7	4.3	4.3	1.4	6.4		26.2	4.2	141
TOTALS		31.9	2.9	6.1	5.2	4.1	4.3	3.0	4.2	7.2	3.6	27.5	4.8	1128

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73-77

STATION
93727

PERIOD

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	01	27.1	4.5	4.5	6.5	5.2	5.2	5.2	7.1	7.7	3.2	23.9	4.9	155
	04	21.4	5.2	5.8	6.5	5.8	3.9	4.5	9.7	9.1	2.6	25.3	5.2	154
	07	15.5	3.9	3.2	5.8	5.2	2.6	3.2	4.5	12.3	14.2	29.7	6.3	155
	10	18.1	2.6	3.9	5.8	1.9	2.6	1.9	9.0	14.2	12.9	27.1	6.2	155
	13	7.7	1.3	1.9	5.2	4.5	7.7	3.9	9.7	12.9	12.3	32.9	7.1	155
	16	5.8	4.5	2.6	9.0	7.7	3.2	2.6	7.1	16.8	12.3	26.4	6.8	155
	19	7.1	1.3	7.1	7.7	5.2	5.8	2.6	8.4	16.1	11.6	27.1	6.7	155
	22	15.5	1.9	5.2	11.0	7.1	7.1	7.1	10.3	6.5	5.2	23.2	5.5	155
TOTALS		14.8	3.2	4.3	7.2	5.3	4.8	3.9	8.2	12.0	9.3	27.2	6.1	1239

NAVWEASERVCOM

MONTH

73-77

NEW RIVER, NORTH CAROLINA

93727

STATION NAME

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	01	22.7	2.7	6.0	6.7	10.7	4.0	4.0	8.0	12.0	2.0	21.3	5.0	150
	04	18.0	2.0	7.3	7.3	7.3	7.3	6.0	8.0	9.3	4.7	22.7	5.4	150
	07	12.0	4.0	4.7	5.3	5.3	4.0	3.3	8.7	9.3	12.0	31.3	6.5	150
	10	14.0	.7	2.7	5.3	4.0	6.7	1.3	8.0	14.7	8.7	34.0	6.7	150
	13	1.3	1.3	1.3	2.7	6.7	5.3	6.7	11.3	19.3	12.0	32.0	7.7	150
	16	1.3	2.7	3.3	6.0	3.3	6.0	5.3	14.0	21.3	5.3	31.3	7.3	150
	19	3.3	3.3	4.7	4.0	3.3	7.3	4.0	14.7	16.0	6.0	31.3	7.1	150
	22	11.3	4.0	9.3	6.0	8.7	5.3	8.0	12.7	8.7	4.7	21.3	5.6	150
TOTALS		10.5	2.6	4.9	5.4	6.2	5.7	4.8	10.7	14.1	6.9	28.2	6.4	1200

2

STATION
93727

STATION NAME
NEW RIVER, NORTH CAROLINA

73-77

PERIOD

AUG
MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

5704 SKY COVER JAN 68

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
AUG	01	27.1	3.2	3.9	9.7	9.0	4.5	5.2	4.5	12.9	3.9	16.1	4.6	155
	04	25.2	1.9	7.7	6.5	11.6	3.9	5.2	4.5	12.3	4.5	16.8	4.7	155
	07	5.2	1.9	7.7	11.0	5.2	5.8	3.9	7.1	13.5	11.6	27.1	6.6	155
	10	11.0	1.3	3.2	3.9	8.4	8.4	5.2	12.3	14.8	8.4	23.2	6.4	155
	13	.6		1.9	3.9	3.9	9.7	5.8	15.5	18.7	15.5	24.5	7.6	155
	16	1.9	1.3	3.2	4.5	7.7	12.3	2.6	11.0	19.4	11.6	24.5	7.1	155
	19	4.5	4.5	5.8	8.4	9.0	8.4	3.2	9.0	13.5	10.3	23.2	6.4	155
	22	23.9		5.2	13.5	7.1	4.5	4.5	5.2	7.7	10.3	18.1	5.0	155
TOTALS		12.4	1.8	4.8	7.7	7.7	7.2	4.5	8.6	14.1	9.5	21.7	6.1	1240

NAVWEASERVCOM

2

93727
STATION

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100	STATION 100

73-77

PERIOD

SEP
MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
SEP	01	26.7	4.0	3.3	11.3	8.7	2.0	6.7	6.0	6.7	4.7	20.0	4.7	150
	04	26.7	3.3	6.7	9.3	4.0	5.3	5.3	4.0	6.7	6.0	22.7	4.8	150
	07	8.7	3.3	7.3	4.7	7.3	7.3	4.7	8.7	8.0	12.0	28.0	6.4	150
	10	12.0	3.3	7.3	6.0	4.7	6.0	4.0	10.0	11.3	11.3	24.0	6.1	150
	13	3.3	1.3	.7	4.7	4.7	5.3	6.0	11.3	26.0	16.7	20.0	7.4	150
	16	3.3	1.3	2.7	6.0	6.0	6.0	6.0	11.3	22.0	15.3	20.0	7.1	150
	19	5.3		6.0	9.3	9.3	6.7	4.0	11.3	12.7	6.7	28.7	6.6	150
	22	16.7	3.3	8.7	12.3	7.3	4.7	5.3	6.7	9.3	3.3	21.3	5.1	150
TOTALS		12.8	2.5	5.3	8.1	6.5	5.4	5.3	8.7	12.8	9.5	23.1	6.0	1200

SKY COVER

5704 SKY COVER JAN 68

93727 STATION NEW RIVER, NORTH CAROLINA 73-77 PERIOD MONTH OCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
OCT	01	43.2	2.6	6.5	5.8	6.5	4.5	3.2	5.8	1.9	2.6	17.4	155
	04	44.5	1.3	5.2	3.9	3.2	1.9	3.2	3.2	6.5	3.9	23.2	155
	07	29.0	5.2	3.9	7.1	4.5	3.9	3.9	5.2	8.4	4.5	24.5	155
	10	28.4	6.5	4.5	4.5	2.6	2.6	3.2	7.1	7.7	7.1	25.8	155
	13	22.6	3.9	2.6	7.7	5.8	5.8	1.9	7.7	11.6	5.8	24.5	155
	16	20.0	4.5	6.5	5.2	4.5	6.5	2.6	8.4	12.3	10.3	19.4	155
	19	25.2	3.2	9.0	6.5	7.7	6.5	4.5	7.7	7.7	5.8	16.1	155
	22	42.6	2.6	8.4	7.1	3.9	2.6	3.2	3.9	4.5	3.9	17.4	155
TOTALS		31.9	3.7	5.8	6.0	4.8	4.3	3.2	6.1	7.6	5.5	21.0	1240

NAVWEASERVCOM

SKY COVER

NOV
MONTH

73-77

PERIOD

NEW RIVER, NORTH CAROLINA

STATION NAME

93727
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
NOV	01	47.3	2.7	4.0	8.0	4.0	3.3	2.7	3.3	4.7	.7	19.3	150
	04	48.0	1.3	2.7	5.3	4.7	4.0	1.3	6.7	6.0		20.0	150
	07	26.7	4.7	7.3	4.0	3.3	3.3	6.7	6.0	8.7	6.0	23.3	150
	10	30.7	2.7	7.3	4.7	6.0	2.0	4.7	3.3	8.7	12.7	17.3	150
	13	23.3	4.7	6.7	7.3	6.0	4.0	4.0	6.7	7.3	8.7	21.3	150
	16	24.0	6.7	8.0	7.3	5.3	4.7	.7	4.0	5.3	10.7	23.3	150
	19	37.3	1.3	8.7	6.0	5.3	4.0	2.7	4.7	6.0	4.0	20.0	150
	22	42.7	1.3	4.0	10.0	7.3	1.3	4.7	2.7	6.0	2.7	17.3	150
TOTALS		35.0	3.2	6.1	6.6	5.2	3.3	3.4	4.7	6.6	5.7	20.2	1200

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STATION	93727	NEW RIVER, NORTH CAROLINA	73-77	PERIOD	DEC	MONTH
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**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	01	41.3	1.3	2.6	3.9	4.5	2.6	2.6	3.2	3.2	2.6	32.3	4.6	155
	04	41.9	.6	3.2	5.2	2.6	4.5	1.3	1.9	3.9	1.9	32.9	4.5	155
	07	23.2	4.5	3.9	4.5	3.9	4.5	4.5	6.5	5.2	5.8	33.5	5.7	155
	10	25.2	3.9	3.9	5.8	2.6	2.6	3.9	1.9	6.5	9.0	34.8	5.7	155
	13	18.1	4.5	4.5	7.1	4.5	3.2	2.6	4.5	4.5	8.4	38.1	6.1	155
	16	18.7	3.9	4.5	3.9	1.9	4.5	4.5	3.2	4.5	9.7	40.6	6.3	155
	19	25.2	1.3	9.0	5.2	5.2	4.5	1.3	1.9	7.1	3.9	35.5	5.5	155
	22	33.5	.6	5.2	4.5	5.8	4.5	2.6	5.8	3.2		34.2	4.9	155
TOTALS		28.4	2.6	4.6	5.0	3.9	3.9	2.9	3.6	4.8	5.2	35.2	5.4	1240

AD-A060 993

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) NEW RIVE--ETC(U)
JUL 78

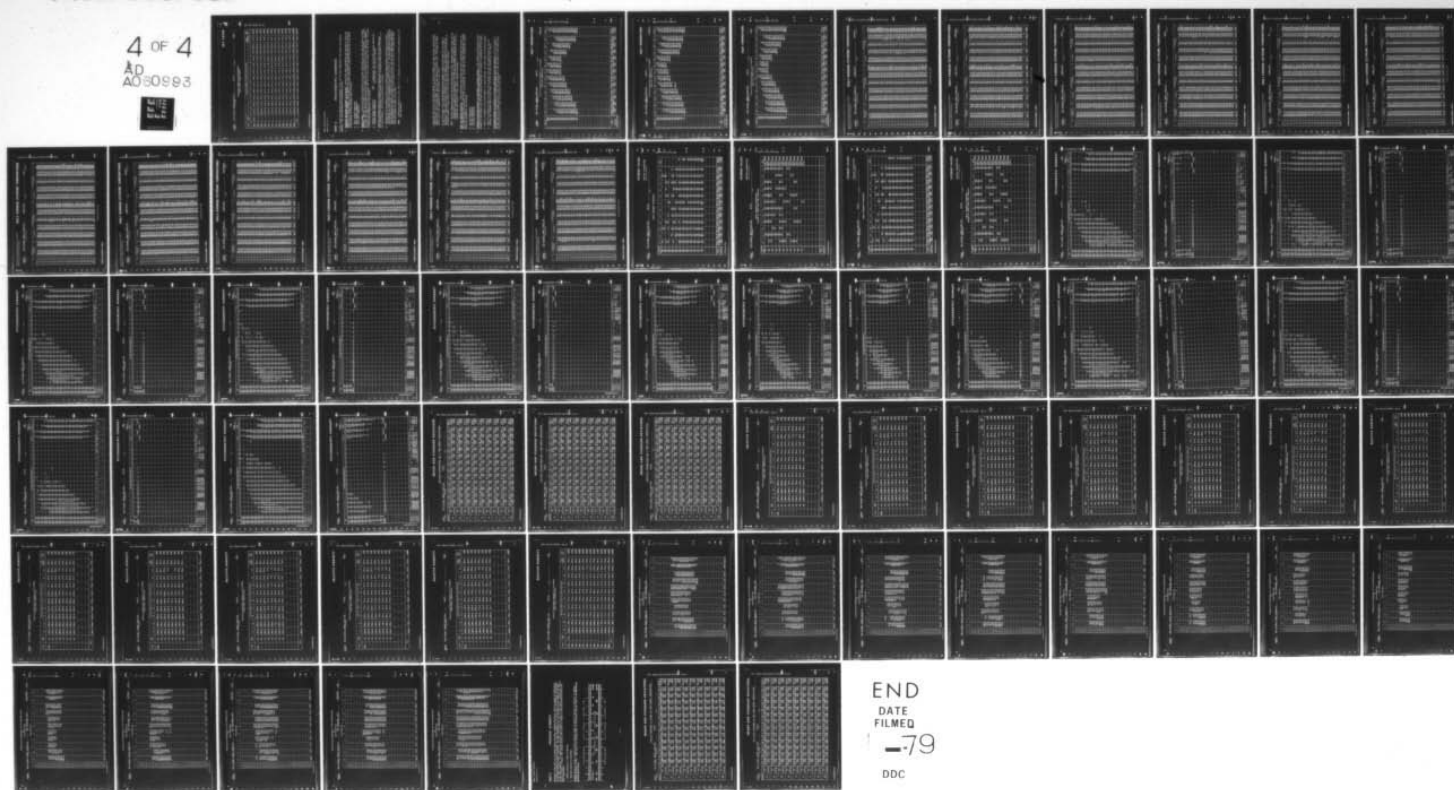
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SKY COVER

93727 STATION NAME NEW RIVER, NORTH CAROLINA PERIOD 73-77 ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
JAN	ALL	27.3	3.0	4.0	4.8	4.0	3.0	2.9	4.8	6.4	4.9	35.2	5.5 1240
FEB		31.9	2.9	6.1	5.2	4.1	4.3	3.0	4.2	7.2	3.6	27.5	4.8 1128
MAR		22.8	1.8	5.2	6.0	3.7	3.3	2.3	5.2	7.3	5.0	37.6	5.9 1240
APR		34.5	3.0	4.4	6.7	4.4	3.9	2.4	5.5	9.1	5.2	20.9	4.5 1200
MAY		14.8	3.2	4.3	7.2	5.3	4.8	3.9	8.2	12.0	9.3	27.2	6.1 1239
JUN		10.5	2.6	4.9	5.4	6.2	5.7	4.8	10.7	14.1	6.9	28.2	6.4 1200
JUL		12.3	2.8	6.1	6.6	7.1	6.6	4.7	9.2	14.5	7.7	22.4	6.0 1240
AUG		12.4	1.8	4.8	7.7	7.7	7.2	4.5	8.6	14.1	9.5	21.7	6.1 1240
SEP		12.8	2.5	5.3	8.1	6.5	5.4	5.3	8.7	12.8	9.5	23.1	6.0 1200
OCT		31.9	3.7	5.8	6.0	4.8	4.3	3.2	6.1	7.6	5.5	21.0	4.6 1240
NOV		35.0	3.2	6.1	6.6	5.2	3.3	3.4	4.7	6.6	5.7	20.2	4.3 1200
DEC		28.4	2.6	4.6	5.0	3.9	3.9	2.9	3.6	4.8	5.2	35.2	5.4 1240
TOTALS		22.9	2.8	5.1	6.3	5.2	4.6	3.6	6.6	9.7	6.5	26.7	5.5 14607

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.
This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

YEARS

DAILY TEMPERATURES

MAXIMUM

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)**

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
100						.3	.7	.3					.1
95					.7	3.9	5.3	6.0	.2				1.4
90				1.6	7.4	18.4	36.7	34.8	8.5				9.1
85			1.4	9.6	23.6	50.7	78.8	76.4	46.0	4.7	1.0		24.5
80	.7	1.6	7.1	26.3	52.7	83.2	96.8	92.3	76.3	24.4	6.5	.6	39.2
75	3.8	6.8	17.0	45.3	79.0	95.7	99.3	98.7	90.1	52.9	18.1	6.1	51.1
70	10.9	16.9	31.5	65.6	92.0	99.1	99.9	99.7	97.6	76.0	38.3	15.5	62.0
65	21.2	27.1	47.7	84.0	96.9	99.7	100.0	100.0	100.0	90.1	58.0	29.8	71.5
60	32.9	44.6	67.0	95.0	99.3	99.9				96.3	74.0	45.3	79.8
55	47.8	59.5	81.1	98.5	99.9	100.0				98.7	86.6	61.5	86.3
50	61.6	74.3	91.2	99.6	100.0					100.0	95.1	78.3	91.8
45	77.0	86.0	96.9	99.9							99.0	90.0	95.8
40	87.4	94.6	99.1	100.0							100.0	96.8	98.2
35	95.5	99.0	100.0									99.3	99.5
30	99.3	99.8										99.6	99.9
25	99.6	100.0										100.0	100.0
20	100.0												100.0
MEAN	54.0	57.6	64.0	73.2	79.6	84.5	87.9	87.4	82.9	74.2	65.8	58.1	72.4
S. D.	11.99	10.90	10.41	8.61	7.09	5.73	4.44	4.90	5.68	7.33	9.39	10.43	14.45
TOTAL OBS.	690	630	702	674	704	674	692	704	658	700	674	691	8193

NAVWEASERVCOM

DAILY TEMPERATURES

93727
STATION

NEW RIVER, NORTH CAROLINA

45-77

YEARS

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

MINIMUM

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)**

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
80						.1	.4	.6	.2				.1
75					.1	5.9	20.4	18.2	5.0	.4			4.2
70				.6	6.5	37.7	75.3	72.7	33.1	3.3	.4		19.3
65	.1	.2	1.0	5.9	29.1	71.4	94.4	93.5	60.0	15.6	2.2	.6	31.4
60	1.9	2.2	4.3	20.0	54.8	89.8	98.8	99.6	82.1	34.0	8.5	3.5	41.8
55	3.9	5.1	13.5	36.9	76.3	97.2	99.9	100.0	94.1	52.0	16.5	7.4	50.5
50	8.3	10.3	25.2	55.6	91.9	99.9	100.0		98.8	69.3	29.5	13.7	58.8
45	17.0	21.4	40.6	73.0	97.4	100.0			100.0	83.3	44.2	24.5	67.0
40	30.6	34.0	59.5	88.9	99.9					91.4	63.1	36.0	75.5
35	43.8	51.4	77.5	97.8						97.3	80.3	52.4	83.5
30	64.6	72.2	92.3	99.6	100.0					99.4	92.1	72.1	91.1
25	82.0	88.9	98.7	100.0						99.9	98.4	88.9	96.4
20	93.6	96.2	99.9							100.0	99.9	97.7	99.0
15	99.0	99.8	100.0								100.0	99.6	99.9
10	99.9	100.0										100.0	100.0
5	100.0												100.0
MEAN	34.1	36.1	42.6	50.8	59.7	67.1	71.4	71.2	65.6	54.3	43.8	36.8	52.8
S. D.	10.45	10.17	9.60	8.99	7.04	5.60	3.96	3.99	6.46	9.69	10.20	10.82	13.88
TOTAL OBS.	690	630	702	675	704	674	692	704	658	700	674	691	8194

NAVWEASERVCOM

DAILY TEMPERATURES

93727
STATION

NEW RIVER, NORTH CAROLINA

53-77

STATION NAME

YEARS

NEAN

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)**

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
90						3.6	9.0	9.1	3				.0
85						25.2	56.5	54.5	19.0				1.9
80						64.4	93.4	88.9	55.5				13.6
75						89.6	99.7	98.4	80.5				28.6
70						98.2	100.0	100.0	95.3				41.2
65						99.7			98.8				51.3
60						100.0			100.0				60.2
55													69.3
50													78.4
45													86.0
40													92.6
35													96.8
30													99.0
25													99.8
20													100.0
15													100.0
MEAN	44.3	47.0	53.3	62.3	69.9	76.0	79.9	79.5	74.5	64.5	55.0	47.7	62.8
S. D.	10.463	9.805	9.324	8.125	6.317	5.010	3.622	3.898	5.535	7.762	9.111	9.899	14.780
TOTAL OBS.	690	630	702	674	704	674	692	704	658	700	674	691	8193

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

STATION 93727 NEW RIVER, NORTH CAROLINA 1955-1977 JANUARY MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	47.5	8.6	56.8	13.8	78	25.6	38.3	3.5	21	-6.1	1977*
2	44.1	6.7	53.4	11.9	75	23.9	34.9	1.6	20	-6.7	1963
3	44.4	6.9	54.6	12.6	75	23.9	34.2	1.2	18	-7.8	1957
4	45.8	7.7	55.3	12.9	76	24.4	36.3	2.4	21	-6.1	1958
5	42.5	5.8	51.5	10.8	75	23.9	33.5	0.8	17	-8.3	1958
6	43.5	6.4	53.8	12.1	74	23.3	33.3	0.7	15	-9.4	1959*
7	44.6	7.0	54.4	12.4	70	21.1	34.8	1.6	25	-3.9	1968*
8	41.3	5.2	50.1	10.1	72	22.2	32.6	0.3	19	-7.2	1970*
9	42.3	5.7	52.2	11.2	77	25.0	32.4	0.2	11	-11.7	1970
10	43.5	6.4	54.5	12.5	80	26.7	32.5	0.3	11	-11.7	1970
11	42.4	5.8	51.8	11.0	81	27.2	33.0	0.6	14	-10.0	1962
12	42.1	5.6	50.3	10.2	72	22.2	33.9	1.1	17	-8.3	1977
13	43.4	6.3	54.4	12.4	73	22.8	32.3	0.2	14	-10.0	1962
14	43.3	6.3	52.8	11.6	70	21.1	33.9	1.1	20	-6.7	1964
15	43.4	6.3	52.3	11.3	72	22.2	34.4	1.3	18	-7.8	1964
16	40.9	4.9	50.8	10.4	74	23.3	31.0	-0.6	18	-7.8	1972
17	39.7	4.3	50.7	10.4	75	23.9	28.7	-1.8	8	-13.3	1977
18	41.7	5.4	51.7	10.9	69	20.6	31.8	-0.1	15	-9.4	1977
19	42.1	5.6	51.2	10.7	73	22.8	33.0	0.6	14	-10.0	1976
20	42.1	5.6	52.7	11.5	70	21.1	31.4	-0.3	17	-8.3	1976
21	43.0	6.1	53.5	11.9	74	23.3	32.5	0.3	17	-8.3	1970
22	45.0	7.2	56.0	13.3	73	22.8	34.1	1.2	11	-11.7	1970
23	46.5	8.1	57.3	14.1	77	25.0	35.7	2.1	15	-9.4	1970
24	47.0	8.3	57.5	14.2	79	26.1	36.5	2.5	17	-8.3	1963
25	46.5	8.1	56.0	13.3	76	24.4	37.0	2.8	16	-8.9	1963
26	48.1	8.9	58.2	14.6	76	24.4	38.0	3.3	24	-4.4	1977*
27	48.2	9.0	58.4	14.7	80	26.7	38.0	3.3	24	-4.4	1968
28	45.0	7.2	55.5	13.1	81	27.2	34.4	1.3	19	-7.2	1963
29	45.9	7.7	56.1	13.4	81	27.2	35.6	2.0	19	-7.2	1977
30	46.0	7.8	56.3	13.5	73	22.8	35.8	2.1	16	-8.9	1966
31	43.9	6.6	54.3	12.4	79	26.1	33.5	0.8	15	-9.4	1966
Monthly	44.0	6.7	54.0	12.2	81	27.2	34.1	1.2	8	-13.3	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93727

NEW RIVER, NORTH CAROLINA

1955-1977

FEBRUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	EXTREME ° F	AVERAGE ° F	EXTREME ° F	
1	45.5	7.5	56.4	76	34.5	13	1969
2	46.1	7.8	54.9	72	37.3	20	1969*
3	44.0	6.7	54.5	72	33.5	19	1974*
4	43.1	6.2	53.5	79	32.7	17	1957
5	45.8	7.7	57.3	72	34.3	18	1976
6	47.7	8.7	59.0	74	36.3	19	1956
7	47.5	8.6	56.4	69	38.5	19	1955
8	44.3	6.8	54.3	74	34.3	15	1965
9	44.8	7.1	55.6	75	34.0	19	1957
10	44.9	7.2	55.3	72	34.4	19	1965*
11	47.1	8.4	59.3	78	34.9	20	1965
12	45.5	7.5	56.5	77	34.5	15	1965
13	45.0	7.2	55.5	76	34.5	15	1976
14	45.8	7.7	57.3	76	34.3	15	1961
15	47.0	8.3	58.4	70	35.7	24	1970
16	46.7	8.2	56.6	79	36.8	20	1976
17	46.3	7.9	55.6	82	37.0	21	1976
18	48.0	8.9	58.4	80	37.7	19	1976*
19	50.2	10.1	61.1	78	39.4	20	1961
20	45.6	7.6	55.9	71	35.3	21	1971
21	44.7	7.1	56.1	73	33.3	20	1955
22	46.7	8.2	57.5	75	36.0	19	1974
23	47.8	8.8	58.0	83	37.5	19	1975
24	50.3	10.2	61.4	81	39.3	25	1975*
25	48.7	9.3	59.4	74	38.0	15	1977*
26	48.4	9.1	59.3	82	37.5	17	1977
27	48.2	9.0	59.2	80	37.1	18	1962
28	51.9	11.1	63.3	84	40.5	26	1962
29	48.7	9.3	59.5	76	37.8	31	1976
30							
31							
Monthly	46.7	8.2	57.4	84	36.1	13	1962
							1965

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

93727

NEW RIVER, NORTH CAROLINA

1955-1977

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		MINIMUM TEMP		AVERAGE		EXTREME		DATE	
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C		
1	50.7	10.4	60.9	16.1	81	27.2	27.2	1976	40.6	4.8	23	-3.9	40.6	4.8	23	-3.9	1968*	
2	50.7	10.4	60.2	15.7	80	26.7	1974	41.1	5.1	22	-5.6	1967	41.1	5.1	22	-5.6	1967	
3	53.6	12.0	64.6	18.1	87	30.6	1976	42.6	5.9	28	-2.2	1973	42.6	5.9	28	-2.2	1973	
4	53.9	12.2	64.8	18.2	85	29.4	1976*	43.0	6.1	24	-4.4	1968	43.0	6.1	24	-4.4	1968	
5	54.6	12.6	64.7	18.2	83	28.3	1961	44.3	6.9	24	-4.4	1960	44.3	6.9	24	-4.4	1960	
6	53.8	12.1	63.0	17.2	82	27.8	1961	44.3	6.9	22	-3.6	1960	44.3	6.9	22	-3.6	1960	
7	51.2	10.7	60.7	15.9	85	29.4	1974	41.6	5.3	18	-7.8	1960	41.6	5.3	18	-7.8	1960	
8	50.9	10.5	62.5	16.9	86	31.1	1974	39.3	4.1	23	-3.9	1968	39.3	4.1	23	-3.9	1968	
9	49.9	9.9	60.3	15.7	81	27.2	1974	39.4	4.1	22	-3.6	1960	39.4	4.1	22	-3.6	1960	
10	50.4	10.2	61.6	16.4	84	28.9	1974	39.2	4.0	28	-2.2	1966	39.2	4.0	28	-2.2	1966	
11	52.7	11.5	64.1	17.8	79	26.1	1967	41.3	5.2	26	-3.3	1972	41.3	5.2	26	-3.3	1972	
12	56.2	13.4	67.0	19.4	81	27.2	1955	45.4	7.4	26	-3.3	1969*	45.4	7.4	26	-3.3	1969*	
13	55.9	13.3	66.0	18.9	83	28.3	1973	45.8	7.7	24	-4.4	1960	45.8	7.7	24	-4.4	1960	
14	54.7	12.6	65.2	18.4	84	28.9	1956	44.1	6.7	23	-3.0	1960	44.1	6.7	23	-3.0	1960	
15	54.3	12.4	64.6	18.1	87	30.6	1967	43.9	6.6	30	-1.1	1970	43.9	6.6	30	-1.1	1970	
16	54.8	12.7	65.4	18.6	85	29.4	1953	44.2	6.8	28	-2.2	1970	44.2	6.8	28	-2.2	1970	
17	50.8	10.4	61.3	16.3	78	25.6	1963	40.3	4.6	23	-3.9	1970	40.3	4.6	23	-3.9	1970	
18	51.1	10.6	61.8	16.6	81	27.2	1963	40.4	4.7	23	-3.9	1967	40.4	4.7	23	-3.9	1967	
19	53.3	11.8	64.0	17.8	82	27.8	1974	42.3	5.8	24	-4.4	1967	42.3	5.8	24	-4.4	1967	
20	52.8	11.6	63.4	17.4	78	25.6	1976*	42.3	5.7	29	-1.7	1959	42.3	5.7	29	-1.7	1959	
21	53.7	12.1	63.2	17.3	86	30.0	1968	44.2	6.8	29	-1.7	1963	44.2	6.8	29	-1.7	1963	
22	52.9	11.6	63.8	17.7	79	26.1	1966	42.0	5.6	26	-3.3	1963	42.0	5.6	26	-3.3	1963	
23	50.5	10.3	62.7	17.1	80	26.7	1966	38.3	3.3	28	-2.2	1963*	38.3	3.3	28	-2.2	1963*	
24	53.2	11.8	66.4	19.1	85	29.4	1973	40.1	4.3	30	-1.1	1972	40.1	4.3	30	-1.1	1972	
25	52.8	11.6	63.5	17.5	78	25.6	1959	42.1	5.6	28	-2.2	1972	42.1	5.6	28	-2.2	1972	
26	55.6	13.1	66.7	19.3	80	26.7	1976*	44.5	6.9	29	-1.7	1972	44.5	6.9	29	-1.7	1972	
27	53.0	11.7	64.3	17.9	78	25.6	1956	41.8	5.4	26	-3.3	1953	41.8	5.4	26	-3.3	1953	
28	54.6	12.6	66.1	18.9	81	27.2	1961	43.0	6.1	29	-1.7	1953	43.0	6.1	29	-1.7	1953	
29	57.0	13.9	67.9	19.9	82	27.8	1968	46.1	7.8	29	-1.7	1966	46.1	7.8	29	-1.7	1966	
30	57.2	14.0	67.1	19.5	83	28.3	1968	47.2	8.4	30	-1.1	1964*	47.2	8.4	30	-1.1	1964*	
31	55.7	13.2	65.7	18.7	80	26.7	1977*	45.7	7.6	23	-3.9	1964	45.7	7.6	23	-3.9	1964	
Monthly	53.3	11.8	64.0	17.8	88	31.1	1974	42.6	5.9	18	-7.8	1960	42.6	5.9	18	-7.8	1960	

* ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

93727

NEW RIVER, NORTH CAROLINA

1955-1977

APRIL

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP			MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		°C	AVERAGE		EXTREME		AVERAGE		EXTREME		DATE
	°F			°F	°C	°F	°C	°F	°C			
1	57.3	14.1	69.4	20.8	91	32.8	1974	45.2	7.3	36	2.2	1966
2	59.9	15.5	71.6	22.0	85	29.4	1967	48.2	9.0	34	1.1	1964*
3	61.1	16.2	72.8	22.7	89	31.7	1967	48.8	9.3	32	0.0	1972
4	59.9	15.5	70.5	21.4	89	31.7	1963	49.3	9.6	36	2.2	1962
5	57.7	14.3	67.6	19.8	81	27.2	1968	47.8	8.8	36	2.2	1962
6	58.0	14.4	68.9	20.5	85	29.4	1967	47.2	8.4	33	0.6	1975
7	59.5	15.3	70.7	21.5	93	33.9	1967	48.4	9.1	33	0.6	1975
8	58.6	14.8	71.3	21.8	84	28.9	1959	45.8	7.7	29	-1.7	1972
9	58.4	14.7	69.7	20.9	89	31.7	1965	47.0	8.3	26	-3.3	1972
10	56.8	13.8	68.2	20.1	83	28.3	1967	45.5	7.5	26	-3.3	1972
11	57.7	14.3	69.0	20.6	84	28.9	1976	46.4	8.0	35	1.7	1973
12	59.4	15.2	71.5	21.9	88	31.1	1965	47.3	8.5	32	0.0	1973
13	59.1	15.1	70.4	21.3	86	30.0	1977*	47.9	8.8	35	1.7	1973
14	59.4	15.2	71.1	21.7	88	31.1	1977	47.8	8.8	34	1.1	1973
15	61.5	16.4	71.8	22.1	92	33.3	1972	51.2	10.7	35	1.7	1957
16	61.4	16.3	73.1	22.8	91	32.8	1972	49.7	9.8	30	-1.1	1962
17	62.2	16.8	74.6	23.7	90	32.2	1976	49.9	9.9	35	1.7	1962
18	64.4	18.0	76.9	24.9	92	33.3	1976	51.9	11.1	38	3.3	1962*
19	65.8	18.8	77.2	25.1	90	32.2	1958	54.4	12.4	41	5.0	1961*
20	65.5	18.6	76.4	24.7	88	31.1	1955	54.6	12.6	36	2.2	1961
21	65.1	18.4	77.2	25.1	90	32.2	1958	53.0	11.7	34	1.1	1961
22	66.2	19.0	77.1	25.1	86	30.0	1976*	55.3	12.9	42	5.6	1965*
23	67.4	19.7	79.0	26.1	89	31.7	1970	55.9	13.3	40	4.4	1959
24	67.7	19.8	78.3	25.7	92	33.3	1976	57.0	13.9	43	6.1	1969
25	65.0	18.3	75.5	24.2	90	32.2	1960	54.5	12.5	38	3.3	1969
26	64.9	18.3	74.8	23.8	85	29.4	1960*	55.0	12.8	41	5.0	1974
27	64.2	17.9	74.8	23.8	86	30.0	1957	53.7	12.1	41	5.0	1972*
28	65.0	18.3	74.9	23.8	88	31.1	1957	55.2	12.9	40	4.4	1967
29	65.3	18.5	75.4	24.1	89	31.7	1974	55.3	12.9	37	2.8	1967
30	64.9	18.3	75.4	24.1	89	31.7	1974	54.4	12.4	40	4.4	1961
31												
Monthly	62.0	16.7	73.2	22.9	93	33.9	1967	50.8	10.4	26	-3.3	1972

***ALSO ON EARLIER YEARS**

DIRNA VOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93727

NEW RIVER, NORTH CAROLINA

1955-1977

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	EXTREME ° F	AVERAGE ° F	EXTREME ° F	
1	66.5	19.2	76.0	86	57.0	46	1974
2	66.1	18.9	76.9	87	55.3	32	1965*
3	66.5	19.2	76.7	94	56.2	42	1959
4	65.2	18.4	75.6	87	54.9	43	1965
5	65.0	18.3	76.0	89	54.1	42	1965
6	66.3	19.1	78.6	91	54.0	40	1977
7	67.4	19.7	78.5	94	56.3	43	1977
8	67.3	19.6	78.1	90	56.5	44	1964
9	68.0	20.0	78.7	91	57.3	44	1963
10	66.9	19.4	77.6	93	56.1	42	1963
11	69.6	20.9	80.8	93	58.4	40	1973
12	69.3	20.7	79.3	88	59.3	44	1967*
13	69.8	21.0	79.5	93	60.0	30	1956
14	70.3	21.3	80.5	96	60.1	30	1956
15	70.8	21.6	80.7	97	60.9	44	1962
16	70.3	21.3	80.1	87	60.5	43	1975*
17	70.5	21.4	81.4	91	59.6	48	1968
18	71.9	22.2	82.6	95	61.1	48	1977
19	71.4	21.9	82.0	98	60.9	43	1962
20	72.8	22.7	82.0	94	63.6	30	1964*
21	71.7	22.1	80.5	94	62.9	48	1962
22	71.7	22.1	81.6	93	61.9	32	1960
23	72.1	22.3	80.8	93	63.4	31	1956
24	71.5	21.9	80.7	93	62.4	48	1975
25	71.3	21.8	79.4	94	63.3	46	1960
26	70.7	21.5	79.5	91	62.0	34	1955
27	70.8	21.6	80.2	94	61.4	48	1964
28	72.2	22.3	81.8	95	62.7	42	1967
29	72.4	22.4	81.0	94	63.8	33	1967
30	72.2	22.3	80.6	90	63.8	33	1974*
31	71.6	22.0	80.5	88	62.7	33	1976
Monthly	69.7	20.9	79.6	98	59.7	32	1962

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

93727

NEW RIVER, NORTH CAROLINA

1955-1977

JUNE

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	DATE	DATE	° F	° C	° F	° C	° F	° C	DATE	DATE
1	72.6	22.6	82.1	27.8	93	33.9	93	33.9	1974	1974	63.0	17.2	50	10.0	50	10.0	1966	1966
2	73.1	22.8	82.2	27.9	90	32.2	90	32.2	1976	1976	63.9	17.7	45	7.2	45	7.2	1966	1966
3	72.7	22.6	81.6	27.6	92	33.3	92	33.3	1961	1961	63.9	17.7	54	12.2	54	12.2	1967	1967
4	72.3	22.4	81.7	27.6	93	33.9	93	33.9	1975	1975	63.0	17.2	54	12.2	54	12.2	1955	1955
5	73.3	22.9	83.3	28.5	95	35.0	95	35.0	1975	1975	63.2	17.3	51	10.6	51	10.6	1958	1958
6	74.8	23.8	84.6	29.2	95	35.0	95	35.0	1955	1955	65.0	18.3	52	11.1	52	11.1	1976	1976
7	74.2	23.4	83.2	28.4	95	35.0	95	35.0	1975*	1975*	65.2	18.4	58	14.4	58	14.4	1977	1977
8	74.6	23.7	84.0	28.9	90	32.2	90	32.2	1969*	1969*	65.1	18.4	50	10.0	50	10.0	1977	1977
9	75.6	24.2	84.6	29.2	93	33.9	93	33.9	1964	1964	66.6	19.2	58	14.4	58	14.4	1975	1975
10	75.6	24.2	84.1	28.9	97	36.1	97	36.1	1963	1963	67.0	19.4	55	12.8	55	12.8	1960	1960
11	74.3	23.5	83.6	28.7	98	36.7	98	36.7	1963	1963	65.0	18.3	51	10.6	51	10.6	1960	1960
12	76.0	24.4	84.7	29.3	94	34.4	94	34.4	1976*	1976*	67.3	19.6	52	11.1	52	11.1	1972	1972
13	77.7	25.4	86.5	30.3	96	35.6	96	35.6	1955	1955	68.9	20.3	55	12.8	55	12.8	1972	1972
14	76.6	24.8	86.0	30.0	97	36.1	97	36.1	1958	1958	67.3	19.6	53	11.7	53	11.7	1959	1959
15	76.3	24.6	85.4	29.7	97	36.1	97	36.1	1964	1964	67.2	19.6	53	11.7	53	11.7	1959	1959
16	75.9	24.4	83.9	28.8	95	35.0	95	35.0	1957	1957	67.6	19.9	56	13.3	56	13.3	1961	1961
17	75.3	24.1	82.8	28.2	92	33.3	92	33.3	1957	1957	67.6	19.9	57	13.9	57	13.9	1961	1961
18	75.4	24.1	83.7	28.7	92	33.3	92	33.3	1957	1957	67.1	19.5	50	10.0	50	10.0	1961	1961
19	76.3	24.6	85.0	29.4	97	36.1	97	36.1	1977*	1977*	67.7	19.8	53	11.7	53	11.7	1959	1959
20	77.6	25.3	86.1	30.1	94	34.4	94	34.4	1975*	1975*	69.0	20.6	59	15.0	59	15.0	1966*	1966*
21	77.5	25.3	85.1	29.5	92	33.3	92	33.3	1970	1970	69.8	21.0	58	14.4	58	14.4	1966	1966
22	76.6	24.8	84.9	29.4	96	35.6	96	35.6	1956	1956	68.2	20.1	58	14.4	58	14.4	1966	1966
23	77.1	25.1	85.9	29.9	98	36.7	98	36.7	1974	1974	68.3	20.2	58	14.4	58	14.4	1972*	1972*
24	76.9	24.9	85.8	29.9	95	35.0	95	35.0	1960	1960	68.0	20.0	59	15.0	59	15.0	1972	1972
25	77.6	25.3	86.2	30.1	95	35.0	95	35.0	1966	1966	69.0	20.6	62	16.7	62	16.7	1972*	1972*
26	77.8	25.4	85.2	29.6	98	36.7	98	36.7	1968	1968	70.5	21.4	65	18.3	65	18.3	1966*	1966*
27	77.5	25.3	85.0	29.4	96	35.6	96	35.6	1956	1956	70.0	21.1	62	16.7	62	16.7	1974	1974
28	77.2	25.1	85.3	29.6	94	34.4	94	34.4	1959	1959	69.0	20.6	60	15.6	60	15.6	1967	1967
29	77.8	25.4	86.6	30.3	100	37.8	100	37.8	1959	1959	69.1	20.6	56	13.3	56	13.3	1970	1970
30	78.2	25.7	87.3	30.7	100	37.8	100	37.8	1959	1959	69.0	20.6	58	14.4	58	14.4	1962	1962
31																		
Monthly	75.8	24.3	84.5	29.2	100	37.8	100	37.8	1959	1959	67.1	19.5	45	7.2	45	7.2	1966	1966

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MONTHLY 1978

STATION

NEW RIVER, NORTH CAROLINA

1955-1977

STATION NAME

YEARS

JULY

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE °F	AVERAGE °C	AVERAGE °F	EXTREME °C	AVERAGE °F	EXTREME °C	
1	79.3	26.3	89.0	31.7	97	36.1	1977
2	79.2	26.2	88.5	31.4	93	35.0	1956
3	79.2	26.2	87.8	31.0	96	35.6	1972
4	79.0	26.1	87.2	30.7	93	35.0	1953
5	78.4	25.8	87.0	30.6	96	35.6	1969
6	78.4	25.8	86.5	30.3	99	37.2	1977
7	78.7	25.9	86.5	30.3	101	38.3	1977
8	79.4	26.3	87.6	30.9	100	37.8	1977
9	79.2	26.2	87.0	30.6	100	37.8	1977
10	79.2	26.2	87.0	30.6	93	35.0	1977
11	79.2	26.2	87.3	30.7	94	34.4	1966
12	79.3	26.3	86.9	30.5	97	36.1	1976
13	79.4	26.3	87.7	30.9	94	34.4	1966
14	80.0	26.7	88.5	31.4	96	35.6	1977
15	80.6	27.0	88.4	31.3	100	37.8	1976
16	80.8	27.1	89.5	31.9	99	37.2	1976
17	79.4	26.3	87.1	30.6	93	35.0	1953
18	79.7	26.5	87.9	31.1	96	35.6	1953
19	80.1	26.7	88.5	31.4	97	36.1	1953
20	80.6	27.0	89.1	31.7	101	38.3	1977
21	79.4	26.3	87.2	30.7	98	36.7	1977
22	79.6	26.4	88.3	31.3	94	34.4	1961
23	79.7	26.5	88.5	31.4	94	34.4	1972*
24	79.9	26.6	88.3	31.3	96	35.6	1976
25	80.1	26.7	87.6	30.9	95	35.0	1961
26	80.1	26.7	88.2	31.2	97	36.1	1968
27	80.1	26.7	88.0	31.1	96	35.6	1956
28	80.1	26.7	88.1	31.2	93	35.0	1968
29	80.2	26.8	88.6	31.4	95	35.0	1966*
30	80.6	27.0	88.7	31.5	96	35.6	1976*
31	79.8	26.6	87.8	31.0	94	34.4	1958
Monthly	79.6	26.4	87.9	31.1	101	38.3	1977

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

93727

NEW RIVER, NORTH CAROLINA

1955-1977

AUGUST

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP			MAXIMUM TEMP				MINIMUM TEMP				
	AVERAGE		°C	AVERAGE		EXTREME		AVERAGE		EXTREME		DATE
	°F	°C		°F	°C	°F	°C	°F	°C			
1	80.2	26.8	88.3	31.3	97	36.1	1957	72.1	22.3	62	16.7	1966
2	80.5	26.9	89.4	31.9	95	35.0	1970*	71.6	22.0	61	16.1	1966
3	80.3	26.8	88.3	31.3	96	35.6	1955	72.3	22.4	66	18.9	1959
4	80.4	26.9	88.7	31.5	97	36.1	1958	72.0	22.2	66	18.9	1956
5	79.5	26.4	86.9	30.5	95	35.0	1968*	72.0	22.2	66	18.9	1976
6	79.7	26.5	87.8	31.0	100	37.8	1956	71.6	22.0	65	18.3	1964
7	79.3	26.3	88.3	31.3	101	38.3	1968	70.4	21.3	57	13.9	1957
8	80.2	26.8	88.7	31.5	96	35.6	1977*	71.7	22.1	60	15.6	1957
9	80.7	27.1	89.1	31.7	98	36.7	1960	72.3	22.4	63	17.2	1957
10	79.8	26.6	87.7	30.9	95	35.0	1977	71.9	22.2	66	18.9	1962
11	78.7	25.9	86.8	30.4	95	35.0	1977	70.6	21.4	63	17.2	1967
12	78.4	25.8	86.1	30.1	96	35.6	1973	70.8	21.6	58	14.4	1974
13	79.5	26.4	87.0	30.6	94	34.4	1973*	72.0	22.2	62	16.7	1967
14	80.0	26.7	88.2	31.2	96	35.6	1973	71.8	22.1	63	17.2	1964
15	80.1	26.7	88.4	31.3	97	36.1	1968	71.8	22.1	62	16.7	1967
16	79.4	26.3	86.9	30.5	94	34.4	1975*	71.8	22.1	62	16.7	1967*
17	79.3	26.3	87.7	30.9	96	35.6	1975	70.9	21.6	61	16.1	1972
18	79.8	26.6	88.1	31.2	97	36.1	1968	71.5	21.9	63	18.3	1976*
19	79.2	26.2	88.0	31.1	96	35.6	1955	70.3	21.3	63	17.2	1976
20	79.7	26.5	87.8	31.0	95	35.0	1955	71.5	21.9	66	18.9	1977
21	79.1	26.2	87.6	30.9	96	35.6	1968	70.6	21.4	63	17.2	1957
22	79.4	26.3	87.4	30.8	96	35.6	1968*	71.4	21.9	62	16.7	1969
23	79.5	26.4	87.1	30.6	96	35.6	1968	72.0	22.2	62	16.7	1969
24	78.6	25.9	86.3	30.2	95	35.0	1968	70.9	21.6	61	16.1	1969
25	77.6	25.3	83.9	28.8	94	34.4	1959	71.3	21.8	61	16.1	1969
26	77.8	25.4	85.3	29.6	92	33.3	1965*	70.3	21.3	61	16.1	1963
27	77.8	25.4	85.3	29.6	95	35.0	1965	70.4	21.3	62	16.7	1957
28	78.4	25.8	86.6	30.3	92	33.3	1974	70.2	21.2	61	16.1	1969
29	77.9	25.5	86.2	30.1	92	33.3	1973*	69.5	20.8	58	14.4	1968
30	78.3	25.7	87.5	30.8	94	34.4	1970*	69.1	20.6	58	14.4	1965
31	78.7	25.9	87.0	30.6	97	36.1	1956	70.4	21.3	61	16.1	1968
Monthly	79.3	26.3	87.4	30.8	101	38.3	1968	71.2	21.8	57	13.9	1957

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

SEPTEMBER

MONTH

***ALSO ON EARLIER YEARS**

DIRNA VOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

93727

NEW RIVER, NORTH CAROLINA

1955-1977

OCT08ER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE °F	°C	AVERAGE °F	°C	AVERAGE °F	°C	
1	70.5	21.4	79.3	26.3	61.6	16.4	1959
2	69.4	20.8	77.1	25.1	61.7	16.5	1977
3	68.7	20.4	77.9	25.5	59.6	15.3	1955
4	67.0	19.4	75.6	24.2	58.3	14.6	1973
5	66.8	19.3	77.0	25.0	56.6	13.7	1973
6	66.5	19.2	77.1	25.1	56.0	13.3	1959
7	67.9	19.9	77.0	25.0	56.8	14.9	1962*
8	68.1	20.1	77.6	25.3	58.6	14.8	1962
9	68.5	20.3	78.4	25.8	58.5	14.7	1973*
10	66.3	19.1	75.7	24.3	56.9	13.8	1959
11	64.1	17.8	75.5	24.2	52.8	11.6	1962
12	65.0	18.3	76.7	24.8	53.3	11.8	1962
13	65.1	18.4	76.4	24.7	53.7	12.1	1962
14	67.2	19.6	77.7	25.4	56.8	13.8	1973
15	66.3	19.1	76.2	24.6	56.4	13.6	1973
16	66.4	19.1	76.5	24.7	56.4	13.6	1973
17	65.4	18.6	74.8	23.8	56.0	13.3	1972
18	63.7	17.6	73.7	23.2	53.6	12.0	1964
19	62.9	17.2	73.0	22.8	52.8	11.6	1964
20	60.0	15.6	69.5	20.8	50.4	10.2	1969
21	60.5	15.8	71.0	21.7	50.0	10.0	1962
22	63.1	17.3	73.3	22.9	52.9	11.6	1973
23	63.5	17.5	73.5	23.1	53.6	12.0	1955
24	63.3	17.4	73.5	23.1	53.2	11.8	1955
25	61.3	16.3	70.8	21.6	51.9	11.1	1974*
26	59.3	15.2	69.1	20.6	49.6	9.8	1977
27	58.9	14.9	68.9	20.5	49.0	9.4	1973
28	59.5	15.3	69.8	21.0	49.3	9.6	1963
29	58.1	14.5	68.0	20.0	48.1	8.9	1974
30	58.6	14.8	69.3	20.7	47.9	8.8	1974*
31	59.5	15.3	70.0	21.1	49.1	9.5	1961
Monthly	64.2	17.9	74.2	23.4	54.3	12.4	1975*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MONTHLY 1978

STATION
93727

NEW RIVER, NORTH CAROLINA

1955-1977

STATION NAME

YEARS

MONTH
NOVEMBER

DAY	MEAN TEMP				MAXIMUM TEMP				MINIMUM TEMP			
	AVERAGE		EXTREME		AVERAGE		EXTREME		AVERAGE		EXTREME	
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C
1	60.9	16.1	71.4	21.9	82	27.8	1974	50.4	10.2	36	2.2	1963
2	61.7	16.5	72.3	22.4	87	30.6	1974	51.1	10.6	35	1.7	1976*
3	61.8	16.6	71.9	22.2	87	30.6	1972	51.7	10.9	32	0.0	1963
4	58.2	14.6	68.6	20.3	83	28.3	1974	47.8	8.8	29	-1.7	1966
5	58.7	14.8	69.0	20.6	87	30.6	1974	48.3	9.1	31	-0.6	1966
6	57.1	13.9	67.6	19.8	82	27.8	1975*	46.6	8.1	31	-0.6	1967
7	55.3	12.9	66.6	19.2	86	30.0	1975	44.0	6.7	28	-2.2	1962
8	54.0	12.2	65.4	18.6	77	25.0	1977	42.7	5.9	24	-4.4	1967
9	53.5	11.9	64.3	17.9	83	28.3	1975	42.7	5.9	23	-3.0	1976
10	53.6	13.1	66.3	19.1	84	28.9	1975	44.9	7.2	29	-1.7	1957
11	54.6	12.6	65.2	18.4	79	26.1	1966	43.9	6.6	26	-3.3	1957
12	53.7	13.2	66.6	19.2	80	26.7	1975	44.9	7.2	27	-2.8	1973
13	54.5	12.5	65.4	18.6	81	27.2	1955	43.5	6.4	29	-1.7	1976
14	55.5	13.1	66.8	19.3	82	27.8	1955	44.2	6.8	25	-3.9	1976
15	54.2	12.3	66.0	18.9	82	27.8	1973	42.4	5.8	29	-1.7	1975*
16	56.2	13.4	67.7	19.8	83	28.3	1955	44.8	7.1	25	-3.9	1969*
17	56.9	13.8	68.8	20.4	80	26.7	1964	45.0	7.2	23	-3.0	1967
18	54.8	12.7	65.4	18.6	82	27.8	1958	44.2	6.8	28	-2.2	1959
19	55.3	12.9	66.7	19.3	82	27.8	1958	43.9	6.6	26	-3.3	1959
20	52.2	11.2	63.5	17.5	77	25.0	1964	41.0	5.0	29	-1.7	1968*
21	52.9	11.6	65.0	18.3	77	25.0	1973	40.8	4.9	26	-3.3	1968
22	50.5	10.3	63.0	17.2	74	23.3	1977*	38.0	3.3	27	-2.8	1969*
23	49.9	9.9	60.6	15.9	77	25.0	1955	39.2	4.0	26	-3.3	1956
24	52.0	11.1	62.6	17.0	79	26.1	1973	41.3	5.2	23	-3.0	1970
25	50.7	10.4	61.2	16.2	89	31.7	1973	40.1	4.5	19	-7.2	1970
26	51.0	10.6	63.2	17.3	82	27.8	1973	38.8	3.8	28	-2.2	1977*
27	54.2	12.3	65.7	18.7	85	29.4	1973	42.7	5.9	24	-4.4	1977
28	55.4	13.0	66.7	19.3	82	27.8	1973	44.2	6.8	24	-4.4	1956
29	52.3	11.3	62.7	17.1	80	26.7	1968	41.8	5.4	24	-4.4	1967
30	47.3	8.5	57.7	14.3	76	24.4	1970	36.8	2.7	24	-4.4	1961*
31												
Monthly	54.8	12.7	65.8	18.8	89	31.7	1973	43.8	6.6	19	-7.2	1970

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION 93727 NEW RIVER, NORTH CAROLINA 1955-1977 DECEMBER MONTH

STATION NAME YEARS

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	°F	°C	°F	°C	°F	°C	°F	°C	°F	°C	
1	45.7	7.6	55.7	13.2	75	23.9	35.6	2.0	24	-4.4	1976*
2	47.1	8.4	59.3	15.2	80	26.7	34.9	1.6	22	-5.6	1965*
3	50.4	10.2	62.1	16.7	77	25.0	36.7	3.7	19	-7.2	1960
4	50.3	10.2	61.4	16.3	80	26.7	39.1	3.9	22	-5.6	1966*
5	50.5	10.3	62.2	16.8	75	23.9	38.7	3.7	21	-6.1	1969
6	49.6	9.8	62.0	16.7	74	23.3	37.3	2.9	26	-3.3	1969*
7	49.2	9.6	59.7	15.4	73	23.9	36.7	3.7	23	-5.0	1965
8	48.5	9.2	58.9	14.9	76	24.4	38.2	3.4	19	-7.2	1965
9	48.0	8.9	58.7	14.8	79	26.1	37.2	2.9	20	-6.7	1968
10	47.6	8.7	58.0	14.4	77	25.0	37.2	2.9	22	-5.6	1977*
11	48.4	9.1	59.2	15.1	74	23.3	37.5	3.1	19	-7.2	1977
12	49.6	9.8	58.5	14.7	78	25.6	40.7	4.8	14	-10.0	1957
13	48.8	9.3	58.6	14.8	79	26.1	39.0	3.9	10	-12.2	1962
14	47.4	8.6	58.5	14.7	78	25.6	36.4	2.4	16	-8.9	1960
15	47.0	8.3	57.0	13.9	79	26.1	36.9	2.7	14	-10.0	1962
16	48.1	8.9	57.9	14.4	82	27.8	38.4	3.6	20	-6.7	1968*
17	46.5	8.1	57.0	13.9	78	25.6	35.9	2.2	19	-7.2	1963
18	45.5	7.5	56.6	13.7	74	23.3	34.3	1.3	20	-6.7	1972
19	46.2	7.9	58.4	14.7	79	26.1	34.0	1.1	18	-7.8	1975
20	50.0	10.0	59.5	15.3	71	21.7	40.6	4.8	20	-6.7	1975
21	45.8	7.7	55.9	13.3	76	24.4	35.6	2.0	19	-7.2	1963
22	44.2	6.8	54.8	12.7	77	25.0	33.5	0.8	19	-7.2	1976*
23	45.4	7.4	56.8	13.8	78	25.6	34.0	1.1	22	-5.6	1960
24	45.7	7.6	56.0	13.3	74	23.3	35.3	1.8	21	-6.1	1960
25	47.9	8.8	58.4	14.7	76	24.4	37.5	3.1	22	-5.6	1976
26	47.2	8.4	58.3	14.6	80	26.7	36.0	2.2	20	-6.7	1961
27	44.9	7.2	55.0	12.8	68	20.0	34.9	1.6	21	-6.1	1977
28	47.5	8.6	58.0	14.4	74	23.3	37.0	2.8	20	-6.7	1977
29	44.8	7.1	55.5	13.1	68	20.0	34.0	1.1	19	-7.2	1977
30	45.4	7.4	55.7	13.2	74	23.3	35.1	1.7	20	-6.7	1961
31	48.0	8.9	57.7	14.3	76	24.4	38.3	3.3	20	-6.7	1961
Monthly	47.4	8.6	56.1	14.5	82	27.8	36.8	2.7	10	-12.2	1962

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

55-77

NEW RIVER, NORTH CAROLINA

93727

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
55	74		85								83		
56			85								81		
57	79			88			95	97	92	79	79		
58	64		77	90	87		93	97		84			
59													
60		73	80		94	95	93	98		86	78	72	
61	67		83	89	84	92		94	94	85	83		
62		84	76	88	98	90	96	94	90	89		70	
63		72	81		93		94		88		77	66	
64	69	66	80	88	94	97	91	94	90	85	80	73	97
65	75	78	79		91	91	90	95	91	81	78	72	
66	75	73	80	84	86	95	95	92	93	87	79	76	95
67	74	72	87	93	95	92	93	90	87	85	75	79	95
68	69	71	86	88	91	98		101	88	88	82	70	
69	73	76	71	81	90	95	98	93	88	84	78	74	98
70	76	72	77	89	92	97	92	96	91	84	76	80	97
71	75	74	74	86	87	92	92	91	87	83	81	82	92
72	76	71	75	92	83	90	96	97	92	87	87	79	97
73	70	66	86	82	93	91	92	96	94	89	89	79	96
74	81	75	88	91	93	98	92	92	89	84	87	76	98
75	81	83	85	85	94	95	92	96	92	90	86	74	96
76	71	82	87	92	88	94	100	91	88	84	73	69	100
77	66	82	84	88	95	97	101	96	93	89	83	75	101
MEAN	73.1	74.7	81.2	87.9	90.9	94.1	94.2	94.8	90.4	85.4	80.8	74.6	96.8
S. D.	4.893	5.486	4.898	3.407	4.089	2.794	3.133	2.881	2.380	2.874	4.290	4.388	2.368
TOTAL OBS.	558	481	651	510	589	510	527	558	540	589	600	527	6640

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

STATION

STATION NAME

55-77

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
55		80 24		88 25	91 30	96 28	97 29	96 28	92 24	89 28		80 30	MAX TEMP DAYS
56	73 23	80 27		88 28	96 29	96 24	96 23	100 30	93 23	83 26		79 29	MAX TEMP DAYS
57		79 22	75 23		92 29	93 28	96 23					73 29	MAX TEMP DAYS
58		74 25				97 28			92 28		82 23	70 21	MAX TEMP DAYS
59	73 22	70 24	79 28	87 27	94 27	100 28		94 28	93 28	90 27	80 22	72 25	MAX TEMP DAYS
60	73 27			90 27			94 30		91 15				MAX TEMP DAYS
61		78 27					96 30					78 30	MAX TEMP DAYS
62	76 30							92 30			78 29		MAX TEMP DAYS
63	75 30			89 28		98 28		94 30		82 30			MAX TEMP DAYS
65				89 29									MAX TEMP DAYS
68							97 30						MAX TEMP DAYS

EXTREME VALUES

MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

55-77

STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
55	20		26								26		
56			27								24		
57	16			33			61	57	53	31	26		
58	15		30	34	50		69	65		36			
59		25	18		50	51		68		34	28	16	
60	18		31	34	42	50		62	54	36	24		
61		20	30	30	46	58	63		46	24		10	
62		18	28		32		58		48		29	19	
63	18	21	25	34	49	60	60	62	52	34	32	22	18
64		19	26	35	52	52	59	58	53	29	30	19	13
65	16	19	27	35	44	45	63	61	51	36	29	22	15
66	15	19	22	37	44	53	64	62	46	37	23	24	15
67	24	19	24	37	44	57		58	55	32	26	20	
68	19	22	26	38	44	63	69	61	54	36	25	21	19
69	19	21	25	35	43	56	62	67	46	38	19	22	11
70	20	20	28	37	43	59	64	66	56	50	31	25	20
71	18	20	26	26	49	52	58	61	57	35	26	20	18
72	19	15	31	32	40	56	66	65	61	42	27	19	15
73	30	18	29	36	48	58	59	58	46	28	27	27	18
74	26	29	25	33	48	58	54	62	54	37	29	18	18
75	14	22	32	37	44	52	66	62	54	33	23	19	14
76	8	15	31	36	40	50	64	65	59	37	24	19	8
77													
MEAN	18.1	19.3	27.0	34.4	44.8	54.7	62.3	62.2	52.6	35.0	26.4	20.1	15.5
S. D.	5.121	4.074	3.376	2.933	4.638	4.566	4.043	3.246	4.604	5.457	3.136	3.773	3.453
TOTAL OBS.	558	481	651	540	589	510	527	558	540	589	600	527	6670

NAVWEASERVCOM

EXTREME VALUES

MINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

93727

NEW RIVER, NORTH CAROLINA

STATION

YEARS

55-77

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
55		17		40	43	54	64	66	63	42		21	MIN TEMP DAYS
56	27	24		25	30	28	29	28	24	28		30	MIN TEMP DAYS
57	23	27		36	44	56	68	63	33	46		27	MIN TEMP DAYS
58		22	32	28	29	24	23	30	23	26		29	MIN TEMP DAYS
59		22	23		43	63	64					14	MIN TEMP DAYS
60		19	23		29	28	23					29	MIN TEMP DAYS
61		25			44	51			54		34	22	MIN TEMP DAYS
62	15	19	29	38	44	28		66	28		23	21	MIN TEMP DAYS
63	22	24	28	27	27	28		28	28	43	24	26	MIN TEMP DAYS
64	18			38	27	28	68		55	27	22	25	MIN TEMP DAYS
65	27			27			30		15				MIN TEMP DAYS
66		24					62					20	MIN TEMP DAYS
67		27					30				28	30	MIN TEMP DAYS
68	14							61			28		MIN TEMP DAYS
69	30							30			29		MIN TEMP DAYS
70	16			32		58		61		32			MIN TEMP DAYS
71	30			28		28	65	30		30			MIN TEMP DAYS
72							30						MIN TEMP DAYS
73													MIN TEMP DAYS
74													MIN TEMP DAYS
75													MIN TEMP DAYS
76													MIN TEMP DAYS
77													MIN TEMP DAYS
78													MIN TEMP DAYS
79													MIN TEMP DAYS
80													MIN TEMP DAYS
81													MIN TEMP DAYS
82													MIN TEMP DAYS
83													MIN TEMP DAYS
84													MIN TEMP DAYS
85													MIN TEMP DAYS
86													MIN TEMP DAYS
87													MIN TEMP DAYS
88													MIN TEMP DAYS
89													MIN TEMP DAYS
90													MIN TEMP DAYS
91													MIN TEMP DAYS
92													MIN TEMP DAYS
93													MIN TEMP DAYS
94													MIN TEMP DAYS
95													MIN TEMP DAYS
96													MIN TEMP DAYS
97													MIN TEMP DAYS
98													MIN TEMP DAYS
99													MIN TEMP DAYS
100													MIN TEMP DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

PSYCHROMETRIC SUMMARY

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

JAN
MONTH

1965 PSYCHROMETRIC SUMMARY JAN 68

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
82/ 81								.2										2	2			
80/ 79								.1	.2									4	4			
78/ 77						.2	.2	.2	.2									5	5			
76/ 75					.1	.2	.2	.2	.2									7	7			
74/ 73					.2	.2	.2	.2	.2									7	7			
72/ 71			.2	.4	.2	.2	.2	.2	.2		.1							18	18			
70/ 69			.3	.6	.3	.4	.2	.2	.2		.2							23	23			
68/ 67			.3	.8	.2	.2	.2	.2	.2		.1							38	38	9		
66/ 65			.7	.2	.4	.3	.1	.1	.1		.2							32	32	28	5	
64/ 63		1.3	1.5	.9	.1	.2	.2	.2	.2	.1								53	53	39	20	
62/ 61	.5	1.3	1.0	.6	.2	.2	.2	.2	.1									49	49	56	48	
60/ 59	.2	1.8	.5	.1	.2	.3	.2	.2										38	38	52	45	
58/ 57	.1	1.6	.6	.4	.3	.4	.1	.1										45	45	59	47	
56/ 55	.1	1.5	1.2	.6	.1	.6	.2	.2			.1							55	55	37	51	
54/ 53	.2	1.4	1.0	.5	.2	.5	.3	.3										51	51	41	48	
52/ 51	.2	2.2	.8	.6	.2	.2	.3	.3										57	57	49	35	
50/ 49	.1	1.6	.9	.9	.7	.2	.2	.2	.1									58	58	56	53	
48/ 47	.2	1.6	1.7	.4	.5	.2	.2	.1										58	58	48	36	
46/ 45		2.7	1.1	.2	.2	.4	.1											58	58	62	44	
44/ 43	.2	1.1	1.4	1.0	.2	.2	.1											48	48	74	49	
42/ 41	.4	1.7	2.1	.9	.7	.2												75	75	51	56	
40/ 39	.4	1.1	1.7	.6	.5	.1												55	55	69	53	
38/ 37	.3	1.5	1.3	.6	.2	.1												50	50	51	42	
36/ 35	.4	2.1	1.5	1.2	.3													68	68	65	53	
34/ 33	.2	1.7	1.5	.9	.2													56	57	65	68	
32/ 31	.6	1.5	1.5	.6	.1													52	52	69	57	
30/ 29	.9	1.3	1.4	.3														48	49	61	55	
28/ 27	.4	1.1	.8	.1														29	29	52	54	
26/ 25	.5	.9	.6															24	24	45	50	
24/ 23	.2	.9	.6	.1														22	22	26	44	
22/ 21	.5	.9	.5															23	23	23	35	
20/ 19	.3	.5	.2															12	12	24	42	
18/ 17	.2	.3																7	7	12	30	
16/ 15	.2	.3																7	7	7	32	
Element (X)	ΣX											ΣX ²		Mean No. of Hours with Temperature								
Rel. Hum.														≥ 80 F								
Dry Bulb														≥ 73 F								
Wet Bulb														≥ 67 F								
Dew Point														≥ 32 F								
														≤ 0 F								
														No. Obs.								
														Total								

PSYCHROMETRIC SUMMARY

STATION 93727 NEW RIVER, NORTH CAROLINA 73-77 YEARS MONTH JAN

PAGE 2 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
14/ 13		.1																1	1	5	31
12/ 11		.1	.1															2	2		23
10/ 9		.1																1	1	2	14
8/ 7																				1	3
6/ 5																					9
2/ 1																					1
0/- 1																					2
- 2/- 3																					1
- 6/- 7																					2
TOTAL	7.335	227.7	13.6	6.4	5.3	2.7	1.0	.5	.2	.2								1238	1240	1238	1238

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PSYCHROMETRIC SUMMARY

STATION 93727 NEW RIVER, NORTH CAROLINA 73-77 YEARS MONTH FEB

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL														
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb		Wet Bulb	Dew Point													
84/ 83							.1											1	1															
82/ 81									.1									1	1															
80/ 79						.1	.1	.1	.1			.1						5	5															
78/ 77							.1											1	1															
76/ 75					.2	.1	.3		.1	.2	.1							10	10															
74/ 73			.1	.1	.3	.1	.2	.2	.1	.5	.1							9	9															
72/ 71	.1		.1	.5	.3	.2	.2	.1	.1	.1	.1							17	17	2														
70/ 69			.3	.4	.4	.3	.3	.4	.2	.1	.1							18	18	3														
68/ 67		.1	.4	.3	.1	.4	.4	.4	.2	.2								23	23	9														
66/ 65		.4	1.1	.5	.2	.4	.4	.4	.4	.3	.2							43	43	12														
64/ 63		1.0	1.2	.7	.3	.7	.4	.1	.4	.1	.1							54	54	24														
62/ 61	.1	1.3	1.1	1.0	.2	.7	.2	.4	.4	.4	.1							59	59	28														
60/ 59	.1	.6	.4	.8	.6	.3	.4	.4	.1									43	43	53														
58/ 57	.1	1.1	.4	1.2	.6	.3	.1	.3										44	44	47														
56/ 55	.3	1.2	1.2	.8	.4	.4	.8	.3	.2									62	62	49														
54/ 53		.8	1.2	1.3	.4	1.0	.6	.1										61	61	44														
52/ 51	.4	.8	1.4	1.2	.6	1.1	.3	.1										65	65	59														
50/ 49	.2	.9	1.2	.8	1.0	.8	.2											57	57	55														
48/ 47	.1	1.2	.5	.9	.8	.4	.3											47	47	69														
46/ 45	.1	1.2	.7	1.2	.7	.5												49	49	55														
44/ 43	.2	1.4	1.3	.8	.7	.4												54	54	69														
42/ 41	.5	1.5	1.6	1.1	.5	.5												65	65	70														
40/ 39	.3	1.0	1.7	1.2	.4	.1												53	53	69														
38/ 37	.4	1.4	2.0	1.2	.3	.2												61	61	62														
36/ 35		1.9	1.8	.8	.3													53	53	62														
34/ 33	.1	.6	1.4	.4	.3													31	31	64														
32/ 31	.2	1.8	1.1	.4	.1													39	39	53														
30/ 29	.2	1.1	.5	.4	.1													25	25	52														
28/ 27	.1	.9	.3	.1														15	15	28														
26/ 25		.9	.3	.1														14	14	25														
24/ 23	.2	.2	.7															12	12	15														
22/ 21	.4	.8	.2															16	16	17														
20/ 19	.3	.6	.3															13	13	15														
18/ 17	.2	.4																6	6	11														
Element (X)	Σ X																		X̄		σ _x		No. Obs.		Mean No. of Hours with Temperature									
Rel. Hum.																							≤ 0 F		≥ 32 F		≥ 67 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

PSYCHROMETRIC SUMMARY

STATION
93727

NEW RIVER, NORTH CAROLINA

73-77

YEARS

FEB
MONTH

FEB
MONTH

PAGE 2
HOURS (L.S.)

GE 2
HOURS (L.S.Y.)

[illegible]

PSYCHROMETRIC SUMMARY

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77
YEARS

MAR
MONTH

PAGE 1
HOURS (L.S.T.)

1967

1968

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30		≥ 31	Dry Bulb	Wet Bulb
86/ 85									.1	.2	.2	.1						3	3	
84/ 83								.1	.2	.3	.2	.1						6	6	
82/ 81						.5	.2	.3	.3	.2	.2	.1						14	14	
80/ 79						.3	.3	.3	.2	.2	.2	.1						19	19	
78/ 77						.3	.3	.2	.2	.2	.2	.1						14	14	
76/ 75				.1	.6	.3	.4	.2	.2	.2	.2	.2						29	29	
74/ 73				.3	.2	.3	.6	.2	.2	.2	.1	.2						25	25	
72/ 71			.3	.9	.5	.7	.3	.2	.2	.2	.2	.1						43	43	3
70/ 69		.2	.8	1.0	.5	.4	.2	.2	.2	.2	.2	.1						45	45	20
68/ 67	.1	.5	1.0	.4	.4	.3	.2	.2	.3	.1	.3	.1						48	48	35
66/ 65		1.5	1.9	.8	.3	.2	.3	.2	.3	.2	.2	.1						73	73	52
64/ 63	.1	2.1	1.5	.8	.4	.4	.2	.2	.4	.4	.2							82	82	72
62/ 61	.2	1.9	1.2	.8	.2	.6	.2	.2	.6	.3								75	75	85
60/ 59	.6	2.3	.6	1.2	.6	.2	.1	.6	.5									85	85	89
58/ 57	.5	1.8	1.5	1.0	.7	.4	.4	.9	.3									93	93	76
56/ 55	.8	2.3	2.3	1.1	.8	.4	.6	.4										108	108	75
54/ 53	.2	1.5	1.8	.9	.2	.2	.7	.2										69	69	80
52/ 51	.2	1.9	1.1	.8	.6	.4	.6	.1										70	70	94
50/ 49	.1	1.5	1.0	.8	.6	.7	.5	.1										65	65	79
48/ 47	.1	.8	1.1	.6	.6	.2	.2											45	45	76
46/ 45	.2	.7	1.0	.6	.4	.5	.2											44	44	63
44/ 43	.1	.8	1.2	.5	.4	.1	.1											39	39	67
42/ 41	.4	.6	1.0	.8	.2													37	37	61
40/ 39	.5	.6	.2	.4	.4	.2												29	29	61
38/ 37	.2	1.2	.4	.2	.1													26	26	45
36/ 35	.2	1.1	.4	.2	.1													25	25	36
34/ 33	.1	.6	.4	.1														14	14	29
32/ 31	.2	.3	.2	.2														11	11	20
30/ 29			.1															1	1	13
28/ 27			.1															1	1	3
26/ 25			.2															2	2	3
24/ 23																				3
22/ 21																				13
20/ 19																				12
Element (X)	Mean No. of Hours with Temperature																Total			
Rel. Hum.	≤ 0 F																≥ 80 F	≥ 93 F	Total	
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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PSYCHROMETRIC SUMMARY

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NEW RIVER, NORTH CAROLINA

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hours (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dew Point	
92/ 91														.1				2		
90/ 89														.1				5		
88/ 87								.1						.2				5		
86/ 85									.1					.2				5		
84/ 83								.1	.2					.2				6		
82/ 81								.2	.2					.1				18		
80/ 79								.2	.2					.1				23		
78/ 77								.2	.2					.1				31		
76/ 75								.2	.2					.1				36		
74/ 73								.2	.2					.1				40		
72/ 71								.2	.2					.1				50		
70/ 69								.2	.2					.1				78		
68/ 67								.2	.2					.1				70		
66/ 65								.2	.2					.1				89		
64/ 63								.2	.2					.1				72		
62/ 61								.2	.2					.1				82		
60/ 59								.2	.2					.1				89		
58/ 57								.2	.2					.1				80		
56/ 55								.2	.2					.1				86		
54/ 53								.2	.2					.1				78		
52/ 51								.2	.2					.1				58		
50/ 49								.2	.2					.1				63		
48/ 47								.2	.2					.1				43		
46/ 45								.2	.2					.1				50		
44/ 43								.2	.2					.1				38		
42/ 41								.2	.2					.1				33		
40/ 39								.2	.2					.1				15		
38/ 37								.2	.2					.1				23		
36/ 35								.2	.2					.1				13		
34/ 33								.2	.2					.1				6		
32/ 31								.2	.2					.1				4		
30/ 29								.2	.2					.1				4		
28/ 27								.2	.2					.1				3		
26/ 25								.2	.2					.1				2		
Element (X)	Mean No. of Hours with Temperature																Total			
Rel. Hum.	≥ 80 F																≥ 93 F			
Dry Bulb	≥ 73 F																			
Wet Bulb	≥ 67 F																			
Dew Point	≥ 32 F																			

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PSYCHROMETRIC SUMMARY

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NEW RIVER, NORTH CAROLINA

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HOURS (L.S.T.)

05 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		D.B./W.B.	TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb					
96/ 95																		1	1					
94/ 93															.1			5	5					
92/ 91															.1			6	6					
90/ 89															.1			8	8					
88/ 87																		7	7					
86/ 85																		34	34					
84/ 83																		36	36					
82/ 81																		39	39					
80/ 79																		64	64	1				
78/ 77																		73	73	8				
76/ 75																		81	81	20				
74/ 73																		97	97	66				
72/ 71																		150	150	88				
70/ 69																		125	125	136				
68/ 67																		108	108	154				
66/ 65																		92	92	146				
64/ 63																		65	65	147				
62/ 61																		51	51	106				
60/ 59																		46	46	81				
58/ 57																		34	34	78				
56/ 55																		39	39	55				
54/ 53																		24	24	43				
52/ 51																		28	28	36				
50/ 49																		10	10	33				
48/ 47																		7	7	15				
46/ 45																		3	3	11				
44/ 43																		2	2	8				
42/ 41																		3	3	4				
40/ 39																		1	1	1				
38/ 37																				2				
36/ 35																				5				
34/ 33																				5				
32/ 31																				3				
30/ 29																				4				
Element (X)	ΣX																		Σ		Mean No. of Hours with Temperature		Total	
Rel. Hum.																					≥ 80 F		≥ 93 F	
Dry Bulb																					≥ 73 F			
Wet Bulb																					≥ 67 F			
Dew Point																					≥ 50 F			

PSYCHROMETRIC SUMMARY

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NEW RIVER, NORTH CAROLINA
STATION NAME

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HOURS (L.S.T.)

5 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL																																	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																															
96/ 95										.1	.1	.2	.2					6	6																																	
94/ 93									.3	.2	.3	.2						7	7																																	
92/ 91						.1	.2	.2	.3	.2	.3	.2						17	17																																	
90/ 89						.2	.3	.5	.2	.2	.2	.2						19	19																																	
88/ 87						.4	1.2	.7	.5	.2	.2							35	35																																	
86/ 85					.1	1.0	1.4	1.6	.4	.3	.1							59	59																																	
84/ 83					1.3	1.7	1.0	.7	.8	.4								72	72																																	
82/ 81			.1	.5	1.1	1.9	1.0	1.5	.7	.1	.2							85	85	1																																
80/ 79			.6	2.5	1.2	1.4	1.2	.1	.2	.2								89	89	5																																
78/ 77		.5	1.5	2.6	2.4	.9	.8	.2	.1									109	109	28	2																															
76/ 75		1.3	3.7	2.5	1.1	.7	.1	.1	.2	.1								117	117	87	14																															
74/ 73		2.8	5.0	2.9	1.4	.5	.2	.1	.2									158	158	166	56																															
72/ 71		3.2	6.3	1.9	.5	.2	.2			.1								149	149	199	129																															
70/ 69	.1	1.9	5.6	1.6	.6	.2	.1			.1								121	121	219	173																															
68/ 67		1.5	2.5	.7	.3													61	61	185	208																															
66/ 65	.1	1.2	2.0	.5														46	46	129	188																															
64/ 63		.6	.3	.1	.1	.3												17	17	80	139																															
62/ 61	.1	.3	.4	.2	.2	.1												15	15	45	109																															
60/ 59		.2	.2	.1	.1													7	7	17	63																															
58/ 57		.2	.2	.1	.1													6	6	16	42																															
56/ 55		.1	.1	.1														3	3	6	29																															
54/ 53		.1	.1															2	2	11	10																															
52/ 51																				4	11																															
50/ 49																				2	4																															
48/ 47																					10																															
46/ 45																					6																															
44/ 43																					4																															
42/ 41																					1																															
40/ 39																					1																															
36/ 35																					1																															
TOTAL	.2	14.0	28.7	16.2	10.4	9.5	7.7	5.7	4.0	1.9	.7	.7	.2					1200	1200	1200	1200																															
Element (X)	Mean No. of Hours with Temperature																Total																																			
Rel. Hum.	ΣX ²																ΣX				σ _x				No. Obs.				± 0 F				± 73 F				± 80 F				± 93 F				Total							
Dry Bulb	6651293																87419				72.8				15.360				1200				662.4				463.6				208.8				7.8				720.0			
Wet Bulb	6929678																90792				75.7				7.083				1200				594.0				172.2				2.4				720.0							
Dew Point	5740087																82799				69.0				4.747				1200				369.2				76.2				720.0											

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

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NEW RIVER, NORTH CAROLINA
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HOURS (L.S.T.)

555 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
102/101														.1				1	1		
100/99																		4	4		
98/97									.1		.2							7	7		
96/95								.1	.4	.3	.2							12	12		
94/93							.1	.1	.3									9	9		
92/91						.1	.2	.8	.7	.8	.1							32	32		
90/89					.2	.6	1.4	1.1	.6	.2		.1						54	54		
88/87					.5	1.9	1.7	.7	.6	.2	.3		.1					73	73		
86/85					.2	1.5	2.1	1.1	.6	.1	.1							90	90		
84/83			.2	1.4	1.8	1.7	1.1	.5	.4	.2	.1							90	90	4	
82/81			1.3	2.0	2.4	2.0	.8	.1	.1	.2	.1							112	112	16	
80/79		1.0	2.3	3.4	1.4	.9	.2	.4	.2									121	121	58	7
78/77	.1	.3	5.7	2.6	1.4	.4	.2	.1		.1								135	135	128	30
76/75	.2	3.3	5.4	1.9	.6	.2	.2	.2										149	149	183	87
74/73	.2	3.7	4.2	1.8	.5	.1												129	129	257	182
72/71	.2	2.8	3.0	1.1	.5	.4												97	97	216	257
70/69	.1	2.6	1.6	.4	.4													63	63	149	221
68/67	.2	1.5	.7	.5														37	37	119	157
66/65	.2	.1	.4	.2														10	10	47	126
64/63		.3	.1															5	5	31	63
62/61	.2	.2	.1															6	6	16	24
60/59		.2	.2															3	3	8	23
58/57		.1																1	1	6	31
56/55																				2	18
54/53																					10
52/51																					2
50/49																					2
TOTAL	.915	.625	.615	.511	.210	.5	8.3	5.2	4.4	1.5	1.1	.1	.2					1240	1240	1240	1240
Element (X)	Mean No. of Hours with Temperature																Total				
Rel. Hum.	No. Obs.																Total				
Dry Bulb	1240																744.0				
Wet Bulb	1240																744.0				
Dew Point	1240																744.0				

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PSYCHROMETRIC SUMMARY

93727

NEW RIVER, NORTH CAROLINA

73-77

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HOURS (L.S.T.)

STATION

STATION NAME

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PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95								.1	.2	.2								6	6		
94/ 93								.1	.1	.1								14	14		
92/ 91					.2			.2	.3	.1								26	26		
90/ 89				.2	.4			1.3	.5									36	36		
88/ 87			.1	.2	.3	2.7	2.2	1.0	.4									85	85		
86/ 85			.1	.3	1.5	1.9	1.5	.6	.3	.1								78	78		
84/ 83		.1	.5	1.1	3.1	1.5	.5	.2	.1									88	88	6	1
82/ 81		.6	1.3	2.9	1.7	.8	.2	.4	.1									100	100	15	3
80/ 79	.1	.9	4.7	3.1	2.1	.6	.5	.2	.1									151	151	62	21
78/ 77	.2	2.2	6.2	2.0	.8	.3	.2											147	147	154	36
76/ 75	.6	4.8	5.5	1.3	.6	.2												162	162	247	120
74/ 73	.5	6.0	4.4	1.5	.5													159	159	282	272
72/ 71	.4	3.8	2.3	.8	.5													97	97	182	252
70/ 69	.1	1.7	1.9	.6	.2													55	55	138	212
68/ 67	.2	.3	.6		.1													16	16	82	129
66/ 65		.3	.9															15	15	34	87
64/ 63	.1	.1	.1															3	3	23	35
62/ 61		.1																1	1	12	38
60/ 59		.1																1	1	2	23
58/ 57																				1	8
56/ 55																					2
54/ 53																					1
TOTAL	2.121	0.28	5.14	0.01	2.0	8.5	6.8	4.4	2.3	.4								1240	1240	1240	1240

Element (X)	ΣX ²	ΣX	Ȳ	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total
Rel. Hum.	7732555	96487	77.8	13.466	1240	≤ 67 F	≥ 67 F	≤ 73 F	≥ 73 F	≤ 80 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	7727825	97585	78.7	6.232	1240				732.0	631.2	307.2	12.0	744.0
Wet Bulb	6654464	90704	73.1	3.978	1240				700.8	459.6	23.2		744.0
Dew Point	6211798	87604	70.6	4.278	1240				627.6	362.4	15.0		744.0

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PSYCHROMETRIC SUMMARY

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

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HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
94/ 93									.1									1	1			
92/ 91								.2	.2		.1							5	5			
90/ 89					.1	.1	.6	.8	.3									21	21			
88/ 87					.3	1.0	1.1	.8	.3									42	42			
86/ 85				.3	1.0	2.4	.8	.3	.2									60	60			
84/ 83			.4	1.0	1.7	1.6	1.3	.3	.5									82	82			
82/ 81			.7	1.9	1.0	1.2	.8	.3	.3	.2								76	76	4		
80/ 79		.3	1.9	2.5	.7	.7	.5	.1	.2	.1								83	83	20	2	
78/ 77		1.5	3.1	2.6	1.5	.3	.1	.3										112	112	81	20	
76/ 75	.2	3.9	4.9	2.1	.5	.2	.1	.2	.3									147	147	148	70	
74/ 73	.8	5.0	3.6	1.5	.4	.2	.1	.2										141	141	208	132	
72/ 71	.7	5.1	3.0	1.2	.3	.2	.5											131	131	201	200	
70/ 69	.3	3.6	2.3	.8	.3	.4												90	90	164	203	
68/ 67	.3	2.5	2.2	.2	.2	.3												68	68	109	168	
66/ 65	.1	1.8	1.3	.2	.3	.2												45	45	68	107	
64/ 63	.3	.8	.5	.1	.2		.1											24	24	61	81	
62/ 61	.2	.5	.6	.4														20	20	34	55	
60/ 59		.7	.2	.3	.2													15	15	29	33	
58/ 57		.5	.4	.1														12	12	23	25	
56/ 55		.8	.7	.1														18	18	17	18	
54/ 53			.2															2	2	15	25	
52/ 51			.1	.1														2	2	11	23	
50/ 49																				3	22	
48/ 47			.2															2	2	1	8	
46/ 45																					3	
44/ 43																				2	1	
42/ 41																					1	
40/ 39																					2	
TOTAL	2.826	926.1	15.2	8.5	8.7	5.9	3.1	2.4		.3	.1							1199	1199	1199	1199	

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total
Ref. Hum.	7673435	94395	78.7	14.209	1199	≥ 73 F	≥ 67 F	≥ 52 F	≤ 0 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb	6803605	89883	75.0	7.507	1199	635.9	462.4	195.2			.6	720.0	
Wet Bulb	5901187	83813	69.9	5.953	1199	561.5	276.8	7.8				720.0	
Dew Point	5489351	80743	67.3	6.585	1199	477.4	194.0	1.2				720.0	

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

Σx

Σx^2

Element (X)

≥ 73 F

≥ 67 F

≥ 32 F

≤ 0 F

≥ 80 F

≥ 93 F

Total

635.9

462.4

195.2

.6

720.0

561.5

276.8

7.8

720.0

1.2

720.0

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NEW RIVER, NORTH CAROLINA

73-77

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MONTH

PAGE 1

HOURS (L.S.T.)

05 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		D.B./W.B.	TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb		Wet Bulb		
90/ 89								.1	.1									2	2			
88/ 87								.1	.2									5	5			
86/ 85								.2	.1									6	6			
84/ 83								.4	.2									17	17			
82/ 81			.2	.2	.2	.2	.3	.2	.1	.2	.1							23	23			
80/ 79			.2	.1	.2	.5	.2	.4	.4	.3								29	29			
78/ 77		.3	.6	.6	.5	.4	.4	.8	.6	.2	.1							56	56	5	5	
76/ 75		.3	.6	.3	.4	.7	.7	.5	.3	.2								50	50	25	25	
74/ 73	.1	.8	.8	1.0	.7	.4	.8	.3	.4	.4	.1	.1						73	73	39	19	
72/ 71	.2	1.0	1.0	1.2	.8	1.0	.3	.2	.2	.2	.1							78	78	35	35	
70/ 69	.3	1.0	2.3	1.4	.7	1.1	1.0	.2	.5	.1								105	105	46	37	
68/ 67	.5	1.0	1.8	.6	.7	.2	.9	.6	.4									83	83	67	46	
66/ 65	.2	1.9	1.4	1.2	.6	.4	.6	.4										83	83	96	53	
64/ 63	.1	1.9	1.4	1.2	.5	.2	.3			.1								69	69	104	75	
62/ 61		1.6	1.4	1.5	.9	.6	.1	.1	.1									78	78	94	82	
60/ 59	.2	2.7	1.9	1.0	.6	.6	.1	.3	.1									94	94	100	68	
58/ 57	.5	1.8	1.6	1.0	.2	.2		.1										68	68	101	95	
56/ 55	.2	1.1	1.1	1.0	.3	.1	.2											52	52	84	85	
54/ 53	.2	1.0	1.0	1.1	.6	.2	.2	.2										54	54	88	33	
52/ 51		1.1	1.3	.8	.3	.1	.2											48	48	67	70	
50/ 49		.8	1.0	.5	.1	.2	.1											33	33	56	64	
48/ 47	.2	.9	.7	.4	.2													29	29	51	74	
46/ 45	.1	.8	1.2	.2	.1													29	29	36	57	
44/ 43	.1	.6	.9	.2	.1													23	23	48	57	
42/ 41		.2	.2		.2													8	8	26	52	
40/ 39		.2	.8															12	12	20	39	
38/ 37	.1	.6	.8	.2														20	20	14	35	
36/ 35	.1	.1	.2	.1														5	5	15	21	
34/ 33		.1	.2															4	4	12	17	
32/ 31			.2															2	2	5	17	
30/ 29		.1																1	1	5	18	
28/ 27		.1																1	1	9	9	
26/ 25																					11	11
24/ 23																					10	10
Element (X)	ΣX^2		ΣX		\bar{X}		σ_x		No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.											≤ 0 F		≥ 32 F		≥ 67 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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MONTH

PAGE 2
HOURS (L.S.T.)

5-85 PSYCHROMETRIC SUMMA JAN 68

[illegible]

PSYCHROMETRIC SUMMARY

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STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

NOV
MONTH

PAGE 1
HOURS (L.S.T.)

05 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30		≥ 31	Dry Bulb	Wet Bulb
88/ 87									.1	.1	.1							2	2	
86/ 85								.1	.1	.1	.1							4	4	
84/ 83								.1	.2	.2	.2							4	4	
82/ 81			.1		.1	.5	.2	.2	.2	.2	.2							13	13	
80/ 79					.2	.2	.2	.2	.2	.2	.2							12	12	
78/ 77		.1			.2	.4	.3	.2	.2	.2	.2							17	17	1
76/ 75		.2	.5	.4	.4	.4	.3	.2	.2	.2	.2							27	27	1
74/ 73			.7	.7	.4	.4	.4	.3	.3	.2	.2							36	36	8
72/ 71	.1	.9	.5	.7	.2	.5	.7	.7	.7	.7	.7							50	50	30
70/ 69		.4	1.7	.5	.5	.4	.2	.2	.2	.2	.2							51	51	27
68/ 67		.7	1.8	.4	.7	.5	.1	.1	.1	.1	.1							54	54	36
66/ 65	.1	.7	1.6	.7	.3	.2	.2	.2	.2	.2	.2							50	50	64
64/ 63	.2	1.4	1.0	.7	.3	.2	.2	.2	.2	.2	.2							54	54	54
62/ 61	.2	1.4	.7	1.0	.1	.2	.3	.2	.2	.2	.2							52	52	64
60/ 59		1.3	1.4	.7	.2	.7	.4	.2	.2	.1								61	61	61
58/ 57	.1	1.2	1.2	.8	.4	.8	.4	.8	.1									70	70	51
56/ 55	.2	1.8	1.3	.2	.4	.2	.7	.1	.1									61	61	54
54/ 53		2.2	.6	.6	.7	.3	.6	.1	.1									63	63	55
52/ 51	.1	1.8	1.1	.7	.7	.3	.2											61	61	66
50/ 49	.2	1.6	.9	1.1	1.0	.5	.2											65	65	61
48/ 47	.1	1.8	.6	.7	.7	.3	.1											51	51	67
46/ 45	.1	1.7	1.3	1.1	.3	.3												58	58	67
44/ 43	.4	1.7	1.2	.6	.3	.2												53	53	79
42/ 41	.6	1.7	1.2	.7	.2													53	53	70
40/ 39	.3	1.8	1.4	.2	.1	.1												48	48	73
38/ 37	.4	1.3	1.1	.1														35	35	61
36/ 35	.1	1.2	.6	.1														23	23	47
34/ 33	.3	1.0	.9		.1													28	28	32
32/ 31	.2	.8	.6		.1													20	20	21
30/ 29		.8	.1															11	11	22
28/ 27	.2	.3																7	7	19
26/ 25	.2	.2																4	4	6
24/ 23		.2																2	2	1
22/ 21																				2
Element (X)	Σ X																Mean No. of Hours with Temperature			
Rel. Hum.																	≥ 93 F			
Dry Bulb																	≥ 80 F			
Wet Bulb																	≥ 73 F			
Dew Point																	Total			

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PSYCHROMETRIC SUMMARY

NOV
MONTH

NEW RIVER, NORTH CAROLINA

73-77

YEARS

NOV
MONTH

MONTH

PAGE 2
HOURS (L.S

HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

93727 STATION NEW RIVER, NORTH CAROLINA 73-77 YEARS DEC MONTH 1965 PSYCHROMETRIC SUMMARY JAN 68

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL									
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point									
78/ 77						.1			.1									1	1											
76/ 75						.1												1	1											
74/ 73						.2			.2									6	6											
72/ 71		.2	.1	.2	.2	.1		.1	.1									13	13											
70/ 69		.1	.1	.3	.2	.2		.1	.1									11	11	3	3									
68/ 67		.2	1.0	.6	.2	.3		.1	.1	.1								32	32	6	6									
66/ 65		.2	.8	.8	.2	.2		.2	.2	.1								34	34	14	2									
64/ 63		.8	.9	.9	.1	.1		.2	.2	.1								42	42	29	17									
62/ 61	.2	1.8	.8	.6	.3	.3		.4	.1									56	56	38	25									
60/ 59	.2	1.9	.9	.6	.5	.3		.1	.1		.1							55	55	54	43									
58/ 57	.2	1.1	.8	.7	.2	.6		.2	.1									50	50	49	42									
56/ 55	.3	1.8	1.9	.7	.6	.3		.2	.2	.2								75	75	45	44									
54/ 53	.2	2.6	.7	.7	.4	.4		.1	.2									65	65	55	52									
52/ 51	.6	1.6	1.5	1.0	.8	.6		.2	.2									78	78	84	50									
50/ 49	.3	1.9	1.1	1.0	.6	.4		.1	.1									69	69	60	62									
48/ 47	.2	2.6	1.2	.9	.5	.3		.2	.2									73	73	72	48									
46/ 45	.2	2.4	1.5	1.2	.2	.7		.1	.1									79	79	77	53									
44/ 43	.3	1.7	1.4	1.1	.6	.1												64	64	75	61									
42/ 41	.6	1.1	1.5	1.2	.6	.2												65	65	76	73									
40/ 39	.2	1.4	1.1	1.1	.4													52	53	69	61									
38/ 37	.2	1.9	1.4	1.1	.3													60	60	53	46									
36/ 35	.2	1.5	1.6	1.2	.2													59	60	75	62									
34/ 33	.2	1.2	1.7	.6														45	45	58	56									
32/ 31	.2	1.9	1.5	.6														53	53	67	58									
30/ 29	.2	1.2	.6	.2														29	30	62	53									
28/ 27	.2	.9	.6															21	22	36	52									
26/ 25	.2	.8	.6															21	21	29	58									
24/ 23	.1	.5	.1															8	9	23	47									
22/ 21	.3	.4																9	11	13	42									
20/ 19	.3	.1																5	6	8	44									
18/ 17		.1																1	1	1	25									
16/ 15																				1	23									
14/ 13																					15									
12/ 11																					9									
Element (X)	ΣX																		\bar{X}		σ_x		Mean No. of Hours with Temperature						Total	
Rel. Hum.																							≤ 0 F ≤ 32 F ≥ 67 F ≥ 73 F ≥ 80 F ≥ 93 F							
Dry Bulb																														
Wet Bulb																														
Dew Point																														

DEC
MONTH

PAGE 2
HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

YEARS

ALL
MONTH

05 PSYCHROMETRIC SUMMARY JAN 68

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL					
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb		Wet Bulb	Dew Point				
102/101																		1							
100/99														.0				4							
98/97											.0							7							
96/95										.0	.0	.0	.0	.0	.0			25							
94/93								.0	.0	.0	.0	.0	.0	.0	.0			36							
92/91							.0	.0	.0	.0	.0	.0	.0	.0	.0		.0	88							
90/89				.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			145							
88/87			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			254							
86/85			.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			340							
84/83		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			414	10	1					
82/81		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			488	36	3					
80/79	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			608	146	30					
78/77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			706	405	88					
76/75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			820	712	303					
74/73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			890	1028	673					
72/71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			921	973	913					
70/69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			777	939	958					
68/67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			657	890	883					
66/65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			595	777	807					
64/63	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			550	753	745					
62/61	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			542	673	722					
60/59	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			534	638	653					
58/57	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			501	606	646					
56/55	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			531	506	568					
54/53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			454	493	506					
52/51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			452	550	470					
50/49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			407	483	499					
48/47	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			350	481	469					
46/45	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			353	424	421					
44/43	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			298	468	369					
42/41	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			329	397	396					
40/39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			263	395	355					
38/37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			258	309	331					
36/35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0			237	316	332					
Element (X)	ΣX																		Mean No. of Hours with Temperature				TOTAL		
Rel. Hum.																			≥ 80 F				≥ 93 F		Total
Dry Bulb																			≥ 73 F						
Wet Bulb																			≥ 67 F						
Dew Point																			≥ 52 F						

NAWWEASERVCOM

ALL
MONTH

三

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
																		D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
34/ 33	.1	.4	.5	.2	.0													181	192	272	351
32/ 31	.1	.5	.4	.2	.0													177	177	237	322
30/ 29	.1	.4	.2	.1	.0													115	117	215	328
28/ 27	.1	.3	.1	.0														74	75	138	281
26/ 25	.1	.2	.1	.0														65	65	109	263
24/ 23	.0	.1	.1	.0														44	45	68	216
22/ 21	.1	.2	.1															48	50	55	162
20/ 19	.1	.1	.0															30	31	47	162
18/ 17	.0	.1																14	14	24	92
16/ 15	.0	.0																9	9	13	83
14/ 13		.0																1	1	7	64
12/ 11		.0	.0															2	2		55
10/ 9		.0																1	1	2	27
8/ 7																				1	13
6/ 5																					21
4/ 3																					6
2/ 1																					3
0/- 1																					2
- 2/- 3																					1
- 6/- 7																					2
TOTAL	3.523	9.24	8.15	5.1	9.4	8.1	6.3	4.0	2.8	1.3	.5	.2	.1	.0			.0	14596	14606	14595	14595

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

NEW RIVER, NORTH CAROLINA

93727

HRS.(L.S.T.)	STATION NAME	YEARS												ANNUAL
		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
01	MEAN	42.8	43.2	52.0	56.4	63.7	70.5	73.8	74.3	70.4	57.9	50.1	43.8	58.3
	S. D.	13.38	12.14	9.52	8.78	7.05	4.30	4.16	3.59	5.27	9.70	11.87	11.66	14.68
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
04	MEAN	41.7	41.4	50.5	54.3	62.1	69.0	72.3	73.0	69.0	56.4	48.5	42.9	56.8
	S. D.	14.04	12.46	10.09	9.41	7.85	4.82	4.49	3.78	5.68	10.07	12.28	12.04	14.94
	TOTAL OBS	155	141	155	150	154	150	155	155	150	155	150	155	1825
07	MEAN	40.7	40.4	50.5	55.7	65.0	72.2	75.3	74.9	69.9	55.8	48.0	42.0	57.6
	S. D.	14.37	12.68	10.76	9.14	6.76	4.56	4.00	3.89	6.23	10.16	12.46	12.72	16.11
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
10	MEAN	46.7	50.5	60.1	67.1	74.4	79.8	83.4	82.8	79.0	67.2	58.4	48.3	66.5
	S. D.	13.69	11.33	10.44	9.38	7.12	5.65	4.98	4.62	6.07	8.50	11.22	10.70	15.85
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
13	MEAN	53.0	57.4	65.5	72.2	78.1	82.8	86.4	85.7	82.6	72.8	65.1	54.9	71.4
	S. D.	13.84	12.18	10.78	9.47	7.73	6.22	6.05	5.51	5.71	8.72	11.78	10.26	14.92
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
16	MEAN	53.4	57.5	65.4	71.1	76.9	81.7	84.9	83.8	81.2	72.1	63.9	54.2	70.6
	S. D.	13.08	11.48	9.86	8.32	7.10	5.88	5.84	5.23	5.45	7.97	10.36	9.71	14.05
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
19	MEAN	47.2	50.3	58.9	64.2	71.4	76.9	79.9	79.2	75.4	63.6	55.3	48.3	64.3
	S. D.	12.30	10.21	8.11	6.99	5.76	4.40	4.46	3.66	4.92	8.36	10.40	9.86	14.14
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	155	1826
22	MEAN	44.1	45.9	54.2	59.1	66.3	72.4	75.8	76.0	72.2	60.0	52.0	45.4	60.3
	S. D.	12.61	11.57	8.73	8.26	6.55	4.07	3.99	3.20	5.17	9.25	11.26	11.01	14.40
	TOTAL OBS	155	141	155	150	155	150	155	155	149	155	150	155	1825
ALL HOURS	MEAN	46.2	48.3	57.1	62.5	69.7	75.7	79.0	78.7	75.0	63.2	55.2	47.5	63.2
	S. D.	14.14	13.32	11.41	10.98	9.11	7.06	6.97	6.23	7.50	11.12	13.06	11.94	15.87
	TOTAL OBS	1240	1125	1240	1200	1239	1200	1240	1240	1199	1240	1200	1240	14606

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTRY COMPANY, U. S. A.

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

NEW RIVER, NORTH CAROLINA

93727

HRS.(L.S.T.)	STATION NAME	YEARS											
		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
01	MEAN	40.3	40.0	48.7	52.7	60.7	67.1	70.2	71.4	68.0	54.8	47.4	41.6
	S. D.	13.183	11.665	9.658	9.020	6.964	4.536	4.011	3.742	5.491	9.950	11.662	11.360
	TOTAL OBS	154	141	155	150	155	150	155	155	150	155	150	153
04	MEAN	39.6	38.6	47.7	51.2	59.6	66.0	69.3	70.5	67.0	53.6	46.2	40.8
	S. D.	13.809	11.954	10.235	9.647	7.682	4.904	4.336	4.097	6.001	10.395	12.261	11.852
	TOTAL OBS	155	141	155	150	154	150	155	155	150	155	150	154
07	MEAN	38.6	38.0	47.7	52.4	62.0	68.3	71.5	72.1	67.7	53.3	45.8	39.9
	S. D.	14.026	12.364	10.954	9.542	6.901	4.796	4.013	3.714	6.569	10.288	12.390	12.381
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	154
10	MEAN	42.8	44.8	52.9	57.3	65.5	70.7	74.2	75.2	71.9	59.7	52.4	44.4
	S. D.	13.142	10.922	10.281	9.089	6.863	4.414	3.912	3.564	5.823	8.815	11.175	10.764
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	154
13	MEAN	46.5	48.3	55.1	59.0	66.6	71.4	74.7	75.3	72.7	61.6	54.9	48.0
	S. D.	12.187	10.743	9.597	8.349	6.372	4.039	4.248	3.372	5.214	8.435	10.427	10.087
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	154
16	MEAN	46.6	48.5	55.2	58.7	66.0	71.0	74.2	74.8	72.2	61.5	54.7	47.6
	S. D.	11.632	10.393	8.997	7.781	6.200	3.958	3.999	3.700	4.992	8.362	9.911	9.712
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	153
19	MEAN	43.4	44.9	52.5	56.5	64.5	69.6	73.0	73.6	70.7	58.5	50.9	44.4
	S. D.	12.068	10.212	8.517	7.871	6.020	4.189	3.768	3.281	5.052	8.784	10.348	10.044
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	150	153
22	MEAN	41.4	42.2	50.1	54.4	62.5	68.0	71.3	72.3	69.1	56.2	48.8	42.8
	S. D.	12.446	11.323	8.908	8.414	6.520	4.247	3.730	3.254	5.371	9.483	11.126	10.923
	TOTAL OBS	154	141	155	150	155	150	155	155	149	155	150	153
ALL HOURS	MEAN	42.4	43.2	51.2	55.3	63.4	69.0	72.3	73.1	69.9	57.4	50.1	43.7
	S. D.	13.106	11.833	10.076	9.161	7.112	4.748	4.410	3.979	5.953	9.843	11.676	11.250
	TOTAL OBS	1238	1128	1240	1200	1239	1200	1240	1240	1199	1240	1200	1232

NAYWEASERVCOM

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

DEW-POINT TEMPERATURES DEC F FROM HOURLY OBSERVATIONS

73-77

NEW RIVER, NORTH CAROLINA

93727

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	36.7 15.049 154	35.6 13.454 141	44.9 11.975 155	49.1 11.185 150	58.8 7.618 155	65.1 5.289 150	68.5 4.512 155	70.0 4.210 155	66.6 6.068 150	52.3 11.205 155	44.3 13.135 150	38.2 12.987 153	52.6 16.125 1823
04	36.3 15.635 155	34.4 13.684 141	44.5 12.139 155	48.0 11.592 150	58.0 8.185 154	64.4 5.511 150	67.8 4.700 155	69.2 4.562 155	65.7 6.558 130	51.1 11.704 155	43.5 13.603 150	37.6 13.383 154	51.8 16.361 1824
07	35.3 15.793 155	34.2 13.923 141	44.6 12.933 155	49.2 11.708 150	59.9 8.007 155	66.2 5.723 150	69.7 4.604 155	70.8 4.100 155	66.6 7.206 150	51.0 11.391 155	43.2 13.716 150	36.8 13.646 154	52.4 17.143 1825
10	37.7 15.687 155	37.8 13.867 141	45.6 14.585 155	48.9 13.039 150	59.9 9.413 155	66.0 5.993 150	70.1 4.877 155	71.8 4.153 155	68.4 7.073 150	54.0 11.614 155	46.6 13.789 150	39.6 13.141 154	54.0 16.754 1825
13	39.1 14.836 155	38.1 14.544 141	45.2 14.529 155	48.1 12.687 150	59.7 9.097 155	65.7 5.488 150	69.5 5.644 155	70.8 4.204 155	67.9 6.856 150	53.3 12.020 155	45.5 13.917 150	39.9 13.981 154	53.7 16.509 1825
16	38.7 14.884 155	38.4 14.418 141	45.4 14.222 155	48.5 12.322 150	59.3 9.197 155	65.5 5.698 150	69.3 5.406 155	70.9 4.644 155	67.8 6.649 150	53.5 12.319 155	46.3 13.937 150	39.9 13.410 154	53.7 16.365 1825
19	38.5 14.488 155	38.0 13.483 141	46.1 12.613 155	49.7 11.849 150	60.1 8.264 155	65.7 5.857 150	69.7 4.815 155	71.0 4.007 155	68.3 5.836 150	54.6 10.648 155	46.7 12.253 150	39.4 12.717 155	54.1 15.910 1826
22	37.7 14.316 154	37.4 13.548 141	45.8 11.304 155	50.2 10.813 150	60.0 7.398 155	65.7 5.014 150	69.2 4.361 155	70.6 3.908 155	67.3 5.954 149	53.2 10.872 155	45.5 12.706 150	39.0 13.035 153	53.6 15.782 1822
ALL HOURS	37.5 15.104 1238	36.7 13.922 1128	45.3 12.065 1240	49.0 11.906 1200	59.5 8.432 1239	65.5 5.589 1200	69.2 4.917 1240	70.6 4.278 1240	67.3 6.586 1199	52.9 11.515 1240	45.2 13.418 1200	38.8 13.297 1231	53.2 16.389 14595

2

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

JAN
MONTH

JAN
MONTH

73-77

PERIOD

NEW RIVER, NORTH CAROLINA

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

93727
TATION

STATION

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	01	100.0	100.0	100.0	99.4	96.1	89.6	77.9	55.2	24.7	79.8	154
	04	100.0	100.0	100.0	99.4	97.4	93.5	81.3	60.6	32.3	81.8	155
	07	100.0	100.0	100.0	98.7	97.4	94.2	84.5	60.0	27.1	81.9	155
	10	100.0	100.0	99.4	96.1	89.0	76.8	59.4	34.2	14.2	72.5	155
	13	100.0	98.7	95.5	89.7	69.0	47.7	34.2	23.9	9.0	62.3	155
	16	100.0	99.4	95.5	81.3	65.2	49.7	34.2	18.1	7.7	60.9	155
	19	100.0	100.0	99.4	98.1	88.4	74.8	61.9	43.9	13.5	73.7	155
	22	100.0	100.0	100.0	99.4	96.1	89.0	74.7	50.6	25.3	79.2	154
TOTALS		100.0	99.8	98.7	95.3	87.3	76.0	43.5	43.3	19.2	74.0	1238

NAVWEASERVCOM

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

93727 STATION NEW RIVER, NORTH CAROLINA 73-77 PERIOD FEB MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	01	100.0	100.0	100.0	98.6	95.0	86.5	66.0	39.7	12.8	75.6	141
	04	100.0	100.0	100.0	97.9	96.5	89.4	73.8	40.4	15.6	77.0	141
	07	100.0	100.0	100.0	100.0	96.5	89.4	78.7	47.5	25.5	79.6	141
	10	100.0	100.0	98.6	89.4	73.8	59.6	34.8	19.1	5.7	63.8	141
	13	100.0	100.0	86.5	66.0	46.8	27.0	19.1	12.8	5.7	51.9	141
	16	100.0	99.3	86.5	67.4	48.2	27.7	23.4	12.8	4.3	52.4	141
	19	100.0	100.0	99.3	90.1	78.0	60.3	37.6	20.6	4.3	64.6	141
	22	100.0	100.0	99.3	97.9	92.9	79.4	62.4	38.3	9.9	73.4	141
TOTALS		100.0	99.9	96.3	88.4	78.5	64.9	49.5	28.9	10.5	67.3	1120

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

MAR
MONTH

73-77
PERIOD

NEW RIVER, NORTH CAROLINA
STATION NAME

93727
STATION

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	01	100.0	100.0	98.7	97.4	91.0	86.5	76.8	52.3	25.2	78.4	155
	04	100.0	100.0	100.0	99.4	96.8	85.8	78.1	58.1	28.4	80.9	155
	07	100.0	100.0	100.0	98.7	94.8	86.5	79.4	63.9	29.0	81.3	155
	10	100.0	100.0	92.3	80.0	65.8	52.9	40.0	24.5	11.6	62.2	155
	13	100.0	98.7	80.0	61.3	45.8	36.1	22.6	13.5	3.9	52.0	155
	16	100.0	96.1	83.9	62.6	51.6	36.1	23.9	13.5	5.2	52.4	155
	19	100.0	99.4	94.8	87.1	75.5	62.6	41.3	27.1	6.5	65.3	155
	22	100.0	100.0	99.4	96.1	91.6	82.6	69.7	40.6	14.8	75.0	155
TOTALS		100.0	99.3	92.6	85.3	74.4	66.1	54.0	36.7	15.6	68.4	1240

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD RECORDING COMPANY, U. S. A.

93727 STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

PERIOD

APR MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	01	100.0	100.0	100.0	96.0	92.0	86.0	78.0	55.3	17.3	78.2	150
	04	100.0	100.0	100.0	99.3	92.7	89.3	81.3	62.7	22.0	80.6	150
	07	100.0	100.0	100.0	97.3	95.3	91.3	79.3	57.3	21.3	79.9	150
	10	100.0	99.3	92.7	80.7	58.7	31.3	14.7	8.0	4.0	54.5	150
	13	100.0	97.3	79.3	56.0	33.3	17.3	10.0	8.7	.7	45.4	150
	16	100.0	97.3	82.7	66.7	38.7	18.7	10.0	6.0	3.3	47.5	150
	19	100.0	100.0	94.7	86.7	75.3	56.0	30.7	12.0	4.7	61.5	150
	22	100.0	100.0	99.3	94.7	92.0	84.7	65.3	40.0	9.3	74.0	150
TOTALS		100.0	99.2	93.6	84.7	72.3	59.3	46.2	31.3	10.3	65.2	1200

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5706 RELATIVE HUMIDITY JAN 68

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STATION
93727

NEW RIVER, NORTH CAROLINA
STATION NAME

73-77

PERIOD

MAY
MONTH

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01	100.0	100.0	100.0	100.0	100.0	98.1	92.9	70.3	28.4	84.7	155
	04	100.0	100.0	100.0	100.0	100.0	99.4	94.8	81.2	32.5	86.8	154
	07	100.0	100.0	100.0	100.0	98.7	97.4	89.0	66.5	28.4	84.1	153
	10	100.0	100.0	97.4	91.0	79.4	56.8	29.0	15.5	1.9	62.4	152
	13	100.0	100.0	93.5	83.2	63.2	34.2	18.7	8.4	1.9	55.6	153
	16	100.0	100.0	94.2	83.9	68.4	38.7	18.1	11.6	3.9	57.2	152
	19	100.0	100.0	98.7	96.8	89.0	77.4	48.4	21.3	5.2	69.0	155
	22	100.0	100.0	100.0	100.0	100.0	96.8	85.8	56.8	16.8	80.9	155
TOTALS		100.0	100.0	98.0	94.6	87.3	76.0	49.6	41.5	14.9	72.6	1239

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2

5706 RELATIVE HUMIDITY JAN 68

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

PERIOD

MONTH
JUN

STATION NAME

PERIOD

MONTH
JUN

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	01	100.0	100.0	100.0	100.0	99.3	98.7	92.7	73.3	12.0	83.3	150
	04	100.0	100.0	100.0	100.0	100.0	99.3	96.0	82.7	18.7	85.5	150
	07	100.0	100.0	100.0	100.0	98.7	98.0	90.7	64.7	16.7	82.0	150
	10	100.0	100.0	99.3	98.0	86.7	56.7	30.7	16.7	3.3	64.3	150
	13	100.0	100.0	100.0	90.0	68.7	40.0	18.7	9.3	2.0	58.1	150
	16	100.0	100.0	99.3	90.7	74.0	50.0	26.7	9.3	.7	60.0	150
	19	100.0	100.0	99.3	97.3	92.7	80.0	50.7	20.0	4.0	69.7	150
	22	100.0	100.0	100.0	100.0	100.0	99.3	88.0	52.7	3.3	79.8	150
TOTALS		100.0	100.0	99.7	97.0	90.0	77.8	61.8	41.1	7.6	72.8	1200

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RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

93727
STATION

NEW RIVER, NORTH CAROLINA

73-77

STATION NAME

PERIOD

JUL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	01	100.0	100.0	100.0	100.0	100.0	99.4	92.9	71.6	21.3	84.0	155
	04	100.0	100.0	100.0	100.0	100.0	99.4	97.4	85.8	25.8	86.3	155
	07	100.0	100.0	100.0	100.0	100.0	99.4	93.5	63.2	16.8	83.2	155
	10	100.0	100.0	100.0	98.7	93.5	67.7	29.0	6.5	3.2	65.3	155
	13	100.0	100.0	99.4	93.5	72.9	41.9	14.2	10.3	2.6	58.9	155
	16	100.0	100.0	100.0	93.5	77.4	48.4	24.5	11.0	1.9	61.3	155
	19	100.0	100.0	100.0	100.0	96.1	81.3	51.6	26.5	7.1	72.2	155
	22	100.0	100.0	100.0	100.0	100.0	98.7	87.7	54.2	12.9	80.5	155
TOTALS		100.0	100.0	99.9	98.2	92.5	79.5	61.4	41.1	11.5	74.0	1240

5706 RELATIVE HUMIDITY JAN 68

STATION
93727

NEW RIVER, NORTH CAROLINA

73-77

PERIOD

AUG
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	01	100.0	100.0	100.0	100.0	100.0	100.0	97.4	85.8	28.4	87.0	153
	04	100.0	100.0	100.0	100.0	100.0	100.0	98.1	91.6	34.8	88.2	153
	07	100.0	100.0	100.0	100.0	100.0	100.0	98.7	82.6	34.2	87.6	153
	10	100.0	100.0	100.0	100.0	100.0	84.5	43.2	16.1	4.5	70.3	153
	13	100.0	100.0	100.0	100.0	85.8	45.2	21.9	14.2	1.9	62.5	153
	16	100.0	100.0	100.0	100.0	90.3	67.7	35.5	14.2	3.2	66.4	153
	19	100.0	100.0	100.0	100.0	100.0	96.1	71.0	34.8	9.0	76.7	153
	22	100.0	100.0	100.0	100.0	100.0	100.0	94.2	69.7	14.8	83.8	153
TOTALS		100.0	100.0	100.0	100.0	97.0	86.7	70.0	51.1	16.4	77.8	1240

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RELATIVE HUMIDITY

130 MONTH

MONTH
130

NEW RIVER, NORTH CAROLINA

93727
STATION

937
STATION

937
STATION

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	01	100.0	100.0	100.0	100.0	99.4	97.4	83.9	56.8	21.3	82.0	155
	04	100.0	100.0	100.0	100.0	99.4	96.8	85.8	57.4	26.5	83.1	155
	07	100.0	100.0	100.0	100.0	100.0	96.8	87.7	64.5	31.0	84.4	155
	10	100.0	100.0	100.0	94.8	77.4	54.8	36.8	19.4	3.9	64.4	155
	13	100.0	100.0	92.3	74.2	51.0	31.6	14.2	6.5	.6	52.6	155
	16	100.0	99.4	93.5	76.8	53.5	33.5	18.1	9.0	3.9	54.4	155
	19	100.0	100.0	100.0	100.0	96.1	83.9	60.0	32.9	3.9	73.2	155
	22	100.0	100.0	100.0	100.0	99.4	93.5	76.8	49.7	9.7	78.8	155
TOTALS		100.0	99.9	98.2	93.2	84.8	73.5	57.9	37.0	12.6	71.6	1240

5706 RELATIVE HUMIDITY JAN 68

NOV
MONTH

PERIOD

73-77

NEW RIVER, NORTH CAROLINA

93727

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	01	100.0	100.0	100.0	97.3	96.0	92.0	84.7	67.3	21.3	81.6	150
	04	100.0	100.0	100.0	99.3	98.0	94.0	87.3	69.3	30.7	83.6	150
	07	100.0	100.0	100.0	100.0	99.3	94.0	85.3	72.0	34.7	84.2	150
	10	100.0	100.0	100.0	95.3	80.0	65.3	45.3	20.7	4.0	66.6	150
	13	100.0	100.0	89.3	72.0	47.3	26.7	14.7	8.0	3.3	51.9	150
	16	100.0	99.3	92.7	74.0	37.3	38.0	26.0	12.0	4.7	53.9	150
	19	100.0	100.0	100.0	99.3	95.3	82.0	64.0	36.7	5.3	74.0	150
	22	100.0	100.0	99.3	98.7	97.3	92.7	82.7	58.0	14.0	79.7	150
TOTALS		100.0	99.9	97.7	92.0	83.8	73.1	61.3	43.0	14.8	72.2	1200

DEC
MONTH

PERIOD

73-77

NEW RIVER, NORTH CAROLINA

93727
TATION

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	01	100.0	100.0	100.0	99.3	97.4	89.5	79.7	60.1	24.8	80.8	153
	04	100.0	100.0	100.0	100.0	98.1	94.8	81.2	57.8	28.6	81.9	154
	07	100.0	100.0	100.0	100.0	98.7	94.8	82.5	59.7	26.6	82.2	154
	10	100.0	100.0	100.0	100.0	92.9	74.7	56.5	32.5	11.0	72.6	154
	13	100.0	100.0	96.8	84.4	63.0	41.6	29.2	15.6	6.5	59.5	154
	16	100.0	100.0	96.8	84.4	63.6	44.8	31.8	19.5	8.4	60.6	154
	19	100.0	99.4	99.4	98.1	93.5	78.7	56.1	34.8	11.6	72.8	155
	22	100.0	100.0	100.0	98.7	95.4	89.5	73.2	53.6	20.9	78.8	153
TOTALS		100.0	99.9	99.1	95.6	87.8	76.1	61.3	41.7	17.3	73.7	1231

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD RECORDING COMPANY, U. S. A.

93727 STATION NAME NEW RIVER, NORTH CAROLINA 73-77 PERIOD ALL MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.8	98.7	95.3	87.3	76.9	63.5	43.3	19.2	74.0	1238
FEB		100.0	99.9	96.3	88.4	78.5	64.9	49.5	28.9	10.5	67.3	1128
MAR		100.0	99.3	93.6	85.3	76.6	66.1	54.0	36.7	15.6	68.4	1240
APR		100.0	99.2	93.6	84.7	72.3	59.3	46.2	31.3	10.3	65.2	1200
MAY		100.0	100.0	98.0	94.4	87.3	74.9	59.6	41.5	14.9	72.6	1239
JUN		100.0	100.0	99.7	97.0	90.0	77.8	61.8	41.1	7.6	72.8	1200
JUL		100.0	100.0	99.9	98.2	92.5	79.5	61.4	41.1	11.5	74.0	1240
AUG		100.0	100.0	100.0	100.0	97.0	86.7	70.0	51.1	16.4	77.8	1240
SEP		100.0	100.0	100.0	99.3	95.8	86.7	73.3	54.1	20.6	78.7	1199
OCT		100.0	99.9	98.2	93.2	84.8	73.5	57.9	37.0	12.6	71.6	1240
NOV		100.0	99.9	97.7	92.0	83.8	73.1	61.3	43.0	14.8	72.2	1200
DEC		100.0	99.9	99.1	95.6	87.8	76.1	61.3	41.7	17.3	73.7	1231
TOTALS		100.0	99.8	97.9	93.6	86.1	74.6	60.0	40.9	14.3	72.4	14295

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

NEW RIVER, NORTH CAROLINA

JAN 1973-DEC 1977

JANUARY

ALL

HOURS L.S.T.

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71	1.4	5.0	5.0	5.5	25.0	54.5	36.4	5.0		11	1.9
62 TO 66	1.7	4.3	4.3	6.0	28.4	27.6	20.5	2.7	1.4	20	1.6
57 TO 61	4.0	4.0	4.0	7.0	28.1	31.6	18.8	2.6	11.1	73	5.9
52 TO 56	20.0	6.7	8.1	2.2	9.0	18.0	29.0	7.0	21.0	117	9.4
47 TO 51	15.3	6.3	12.5	4.9	7.4	10.4	20.0	7.4	17.8	100	8.1
42 TO 46	16.8	14.7	7.0	4.2	3.5	5.6	13.9	13.2	25.0	133	10.9
37 TO 41	20.3	10.5	5.6	2.1	2.1	7.0	15.4	14.0	18.9	143	11.6
32 TO 36	27.1	13.5	3.9	1.9	1.9	10.5	13.3	14.7	21.0	143	11.5
27 TO 31	30.0	14.0	3.0	1.0	1.0	6.5	6.5	16.1	22.6	155	12.5
22 TO 26	37.5	10.7				3.0	9.0	14.0	26.0	100	8.1
17 TO 21	31.3	6.3					16.1	16.1	19.6	56	4.5
12 TO 16	50.0						25.0	15.6	21.9	32	2.6
7 TO 11							30.0	20.0		10	.8
2 TO 6								100.0		1	.1
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & 1-WR											
TOTALS	17.5	8.1	5.4	3.2	7.7	11.8	16.5	11.2	18.6	1240	100.0

NAVWEASERVCOM

5700 REQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

STATION 93727 NEW RIVER, NORTH CAROLINA JAN 1973-DEC 1977 MONTH FEBRUARY ALL HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	14.5	7.6	4.5	3.3	13.6	15.2	16.0	10.0	15.2	112.8	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

93727
STATION

NEW RIVER, NORTH CAROLINA
STATION NAME

JAN 1973-DEC 1977
YEARS

MARCH
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86		5.6		16.7	27.8	44.4	5.6			18	1.5
77 TO 81				5.3	26.3	39.5	2.6			38	3.1
72 TO 76	3.9		1.3	9.2	25.0	26.9	25.0	6.6		76	6.1
67 TO 71	1.9	2.6	3.5	8.8	28.1	31.6	19.3	2.6	2.6	114	9.2
62 TO 66	4.0	5.9	7.4	11.9	20.8	31.2	11.4	3.5	4.0	202	16.3
57 TO 61	7.3	11.7	13.6	11.2	15.0	11.2	11.7	6.3	12.1	206	16.6
52 TO 56	13.8	13.8	15.6	7.6	4.4	9.3	12.9	8.0	14.7	225	18.1
47 TO 51	23.5	15.2	10.6	4.5	.8	5.3	9.8	13.6	16.7	132	10.6
42 TO 46	28.4	15.7	4.9	1.0	2.9	5.9	13.7	11.8	15.7	102	8.2
37 TO 41	24.7	9.6	2.7		4.1	5.5	16.4	8.2	28.8	73	5.9
32 TO 36	20.0	2.2	2.2		2.2	6.7	20.0	13.3	33.3	45	3.6
27 TO 31			14.3				71.4		14.3	7	.6
22 TO 26							50.0		50.0	2	.2
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	11.7	9.3	8.5	7.3	12.5	16.1	13.6	7.3	11.7	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

NEW RIVER, NORTH CAROLINA

JAN 1972-DEC 1977

APRIL

ALL

HOURS (L.S.T.)

STATION NAME

YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96			50.0			50.0				2	12
87 TO 91	10.0		10.0		20.0	10.0	30.0	20.0		10	18
82 TO 86	8.3	2.8	2.8	13.9	13.9	22.2	36.1			36	30
77 TO 81	5.1		2.6	12.8	34.6	23.1	14.1	7.7		78	6.5
72 TO 76	3.7	3.0	6.7	8.9	24.4	31.1	16.3	4.4	1.5	135	11.3
67 TO 71	3.6	2.6	7.3	5.7	27.6	27.1	18.2	5.7	2.1	192	16.0
62 TO 66	9.5	2.0	5.0	11.0	15.5	23.5	18.0	7.5	6.0	200	16.7
57 TO 61	11.1	9.6	6.6	6.6	10.1	14.1	19.7	10.1	12.1	198	16.5
52 TO 56	17.9	12.4	9.0	3.4	7.6	4.8	22.8	9.0	13.1	145	12.1
47 TO 51	12.1	13.1	5.6	.9	3.7	10.3	21.5	13.1	19.6	107	8.9
42 TO 46	22.8	10.5				8.8	26.3	10.5	21.1	57	4.8
37 TO 41	9.1	3.0				15.2	33.3	12.1	27.3	33	2.8
32 TO 36						14.3	42.9		42.9	7	.6
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.7	6.0	5.8	6.6	15.5	18.8	20.3	8.1	9.2	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

NEW RIVER, NORTH CAROLINA

JAN 1973-DEC 1977

MAY

ALL

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76											
67 TO 71											
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	9.9	9.0	8.2	8.2	14.1	18.8	15.4	6.5	9.8	1239	100.0

NAVWEASERVCOM

5709 FREQ. TEMP. VS. WIND DIR. JAN 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

NEW RIVER, NORTH CAROLINA

JAN 1973-DEC 1977

JUNE

ALL

HOURS (L.S.T.)

STATION NAME

YEARS

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96	5.0	5.0	5.0	6.3	5.0	30.0	45.0	5.0		20	1.7
87 TO 91		3.1	3.1	6.3	28.1	25.0	28.1	6.3	3.1	64	5.3
82 TO 86	7.2	5.0	10.5	9.9	29.3	17.7	11.6	7.2	1.7	181	15.1
77 TO 81	5.2	3.0	12.0	12.4	21.9	27.5	11.2	5.6	1.3	233	19.6
72 TO 76	3.9	6.6	11.6	5.5	8.8	26.2	19.6	3.0	14.6	362	30.2
67 TO 71	13.5	16.8	12.7	4.9	2.5	11.9	10.7	4.1	23.0	244	20.3
62 TO 66	15.3	22.2	5.6		2.8	4.2	8.3	6.9	34.7	72	6.0
57 TO 61	15.8	42.1	5.3				10.5	5.3	21.1	19	1.6
52 TO 56	20.0	20.0					20.0		40.0	5	.4
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	7.3	8.9	10.7	6.9	13.6	20.4	15.0	4.8	12.3	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

NEW RIVER, NORTH CAROLINA

STATION NAME

93727

STATION

JAN 1973-DEC 1977

YEARS

JULY

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NW & N	NE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	16.7	8.3				16.7	41.7	16.7		12	1.0
92 TO 96	2.7	2.7	5.4	8.1	27.0	16.2	27.0	2.7	8.1	37	3.0
87 TO 91	5.6	1.4	5.6	9.8	25.9	19.6	21.7	7.7	2.8	143	11.5
82 TO 86	5.4	3.8	10.4	9.2	28.3	17.9	17.5	2.5	5.0	240	19.4
77 TO 81	4.9	6.2	7.1	4.2	16.6	20.1	18.8	5.5	16.6	308	24.8
72 TO 76	4.1	7.6	6.5	3.5	12.1	15.9	17.9	1.8	30.6	340	27.4
67 TO 71	11.9	8.1	3.0	2.2	5.2	11.9	16.3	.7	40.7	135	10.9
62 TO 66	27.8		11.1	11.1	11.1	11.1	5.6		33.3	18	1.5
57 TO 61	14.3			14.3					71.4	7	.6
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	6.0	5.5	6.9	5.5	17.4	17.2	18.5	3.5	19.4	1240	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

93727
STATION

NEW RIVER, NORTH CAROLINA

JAN 1973-DEC 1977

AUGUST

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96				2.9	22.9	20.0	43.7	5.7	2.9	35	2.8
87 TO 91	3.8	1.5	12.1	14.4	25.0	15.9	20.5	4.5	2.3	132	10.6
82 TO 86	4.6	6.8	15.1	11.9	20.5	21.9	11.9	1.8	5.5	219	17.7
77 TO 81	4.9	7.2	7.5	6.1	17.7	24.6	19.4	.3	12.2	345	27.8
72 TO 76	9.6	11.5	8.5	2.1	4.8	8.3	12.8	3.7	38.7	375	30.2
67 TO 71	15.8	25.4	7.0		.9		7.0	3.5	39.5	114	9.2
62 TO 66	47.4	26.3							26.3	19	1.5
57 TO 61									100.0	1	.1
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	7.7	9.6	9.3	6.0	13.4	13.6	13.5	2.5	20.5	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

NEW RIVER, NORTH CAROLINA

JAN 1973-DEC 1977

SEPTEMBER

ALL

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 :											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	1.5	1.5	13.4	11.9	23.4	10.4	16.4	50.0	50.0	2	.2
82 TO 86	6.9	5.2	15.7	13.1	25.1	10.5	10.5	13.4	6.0	67	5.6
77 TO 81	6.8	11.3	14.9	12.2	18.0	13.1	6.3	5.2	5.8	191	15.9
72 TO 76	9.4	9.9	14.9	2.2	6.4	14.1	10.5	4.1	13.5	222	18.5
67 TO 71	28.8	17.2	7.4	1.9	1.4	4.7	7.9	3.3	29.3	362	30.2
62 TO 66	31.3	21.7				2.4	6.0	4.2	26.5	215	17.9
57 TO 61	45.5	9.1				9.1	6.1	2.4	36.1	83	6.9
52 TO 56	56.5	4.5				4.5		3.0	27.3	33	2.8
47 TO 51	100.0							4.5	31.8	22	1.8
42 TO 46										2	.2
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	15.3	10.9	11.8	6.0	10.9	10.3	6.9	4.5	21.3	1199	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME NEW RIVER, NORTH CAROLINA STATION 93727 MONTH OCTOBER ALL HOURS (L.S.T.)

YEARS JAN 1973-DEC 1977

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			14.3	14.3	28.6	42.9				7	.6
82 TO 86	12.5	6.3	12.5	12.5	24.4	9.4	12.5	9.4	3.1	32	2.6
77 TO 81	6.1	5.1	25.3	18.2	23.2	5.1	9.1	5.1	3.0	99	8.0
72 TO 76	11.8	11.2	17.4	9.9	15.5	6.2	8.7	9.9	9.3	161	13.0
67 TO 71	21.5	12.7	11.4	3.5	8.8	6.1	14.0	6.6	15.4	228	18.4
62 TO 66	25.4	17.1	10.4	2.1	2.1	8.3	9.3	5.7	19.7	193	15.6
57 TO 61	23.1	13.1	7.3		1.5	8.0	10.1	8.5	28.1	199	16.0
52 TO 56	33.8	6.0	3.8		.8	1.5	10.5	11.3	32.3	133	10.7
47 TO 51	33.7	7.2	2.4			4.8	10.8	14.5	26.5	83	6.7
42 TO 46	36.8	1.8		1.8		5.3	21.1	5.3	28.1	57	4.6
37 TO 41	42.9	2.9				8.6	17.1	5.7	22.9	35	2.8
32 TO 36	27.3			9.1	18.2		9.1		36.4	11	.9
27 TO 31									100.0	2	.2
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	23.0	10.2	10.0	4.1	7.3	6.3	11.2	8.0	19.6	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

NEW RIVER, NORTH CAROLINA

93727
STATION

JAN 1973-DEC 1977

NOVEMBER

ALL

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	5.9	17.6	5.9	17.6	17.6	23.5	17.6	5.9	5.9	2	.2
77 TO 81										17	1.4
72 TO 76	8.1	5.1	13.1	27.3	30.3	12.1	15.2	12.1	3.0	33	2.8
67 TO 71	5.0	7.6	8.4	11.1	20.2	13.1	20.2	5.1	4.0	99	8.3
62 TO 66	8.0	8.0	8.0	10.1	9.2	21.0	19.3	5.9	13.4	119	9.9
57 TO 61	8.7	11.3	8.7	5.6	8.0	13.1	21.2	8.8	19.0	137	11.4
52 TO 56	16.5	10.8	10.1	10.7	4.0	6.0	18.7	15.3	16.7	150	12.5
47 TO 51	14.0	13.3	4.9	3.8	4.4	6.2	12.7	10.8	22.8	158	13.2
42 TO 46	23.9	7.2	4.3	7	2.1	2.8	20.3	18.2	23.8	143	11.9
37 TO 41	22.9	10.1	9	9	7	5.1	19.6	15.2	23.9	138	11.5
32 TO 36	23.8	4.8	1.6	9	9	9.2	15.6	7.3	32.1	109	9.1
27 TO 31	19.2	3.8			3.8	1.6	23.8	11.1	33.3	63	5.3
22 TO 26	16.7	16.7				26.9	26.9		19.2	26	2.2
17 TO 21						16.7	50.0		16.7	6	.5
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	13.6	8.7	6.8	5.4	6.2	9.8	18.8	11.0	19.8	1200	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

NEW RIVER, NORTH CAROLINA

JAN 1973-DEC 1977

DECEMBER

ALL

HOURS (L.S.T.)

STATION NAME

YEARS

MONTH

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86											
77 TO 81											
72 TO 76			8.3		100.0	41.7	16.7	8.3		1	1.1
67 TO 71	3.9	2.0	2.0	7.8	23.0	31.4	23.5	2.0	3.9	12	1.0
62 TO 66	4.5	1.8	3.6	15.3	30.6	23.4	15.3	4.5		51	4.1
57 TO 61	8.0	2.4	8.8	7.2	10.4	16.8	14.4	12.8	19.2	111	9.0
52 TO 56	13.0	8.7	8.7	1.6	4.9	13.6	19.6	9.2	20.7	125	10.1
47 TO 51	10.8	14.2	12.3	1.1	.6	11.4	17.6	11.9	19.9	184	14.9
42 TO 46	19.0	12.0	5.4	1.1	3.3	5.4	24.5	12.5	16.8	176	14.2
37 TO 41	24.1	7.3	6.6	1.5	2.9	5.1	19.0	10.9	22.6	184	14.9
32 TO 36	29.5	6.6	4.4		2.2	8.1	16.2	15.4	23.5	137	11.1
27 TO 31	24.3	13.5	1.4			1.4	18.9	12.2	28.4	136	11.0
22 TO 26	23.5	2.9	8.8		2.9	5.9	11.8	23.5	20.6	74	6.0
17 TO 21	14.3	7.1				7.1	35.7	14.3	21.4	34	2.7
12 TO 16										14	1.1
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	15.2	8.1	6.8	3.1	7.0	11.7	18.7	11.2	18.2	1239	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

NEW RIVER, NORTH CAROLINA

JAN 1973-DEC 1977

ALL

ALL

HOURS (L.S.T.)

93727
STATION

STATION NAME

YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101	16.7	8.3			16.7	41.7	16.7			12	11
92 TO 96	1.9	1.9	3.9	3.9	18.4	22.3	36.9	3.8	4.9	103	17
87 TO 91	3.4	1.1	8.8	10.8	25.4	18.0	21.6	8.1	2.9	443	3.0
82 TO 86	6.5	4.7	11.5	10.2	25.4	17.3	15.6	4.8	4.0	1027	7.0
77 TO 81	5.2	5.8	9.5	10.1	20.5	20.9	15.2	4.3	8.6	1229	10.5
72 TO 76	7.1	7.8	10.1	5.3	13.1	17.4	15.5	4.0	19.7	2239	15.3
67 TO 71	12.5	10.3	7.5	5.3	12.4	16.4	14.7	6.2	16.8	1826	12.5
62 TO 66	11.2	8.6	6.5	7.1	13.5	19.1	14.7	5.5	13.8	1471	10.1
57 TO 61	11.7	10.1	8.3	6.3	9.1	12.6	15.1	9.5	17.3	1250	8.6
52 TO 56	17.7	10.3	9.0	3.4	6.2	9.5	16.4	8.8	18.6	1250	8.6
47 TO 51	17.1	12.1	8.6	2.4	2.6	7.8	16.0	13.7	19.7	944	6.5
42 TO 46	22.6	10.1	4.8	1.2	2.9	6.6	18.6	13.1	20.0	818	5.6
37 TO 41	23.5	9.6	3.5	1.2	2.0	8.0	15.6	11.1	25.3	684	4.7
32 TO 36	24.5	8.6	3.8	1.0	1.9	6.5	13.9	13.3	26.6	526	3.6
27 TO 31	25.1	12.5	1.9		1.1	7.2	16.0	10.6	25.5	263	1.8
22 TO 26	26.5	7.6	2.3		1.5	3.0	14.4	15.2	29.5	132	.9
17 TO 21	23.3	5.5				5.5	21.9	12.3	31.5	73	.5
12 TO 16	41.7						25.0	16.7	16.7	12	.1
7 TO 11								100.0		1	.0
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	12.6	8.5	7.9	5.5	11.6	14.3	15.9	7.4	16.3	14909	100.0

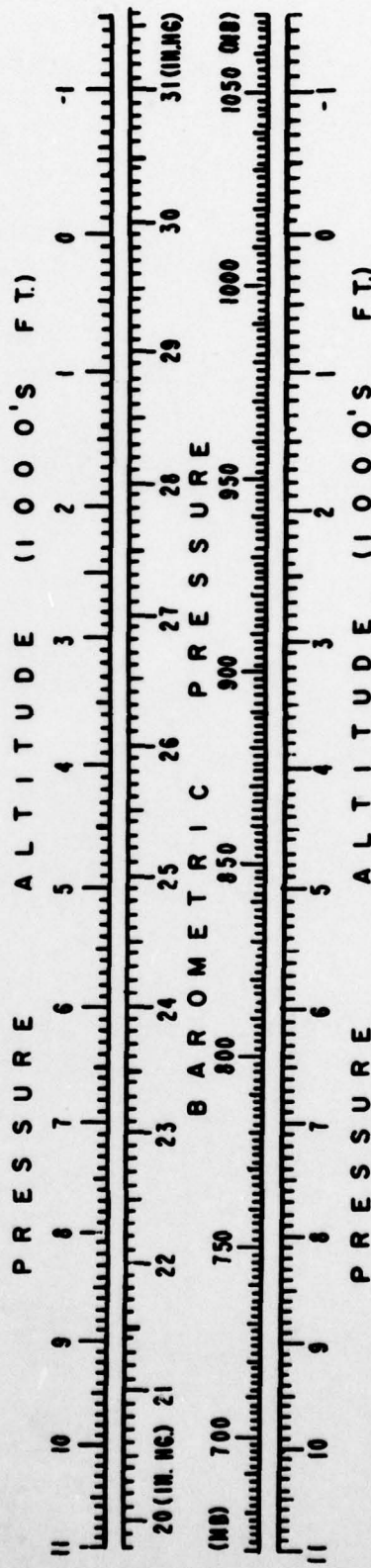
NAVWEASERVCOM

PART F PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

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STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

73-77

NEW RIVER, NORTH CAROLINA

93727

HRS.(L.S.T.)	STATION NAME												ANNUAL
	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	
01	MEAN	30.100	30.067	30.034	30.039	29.973	29.991	30.018	30.059	30.075	30.094	30.071	30.046
	S. D.	.200	.215	.200	.200	.140	.131	.109	.094	.118	.170	.247	.177
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	155	1826
04	MEAN	30.099	30.058	30.017	30.029	29.962	29.979	30.006	30.046	30.063	30.091	30.066	30.036
	S. D.	.205	.207	.201	.212	.141	.130	.112	.096	.119	.173	.251	.180
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	155	1825
07	MEAN	30.115	30.080	30.045	30.063	29.990	30.001	30.026	30.068	30.039	30.089	30.113	30.059
	S. D.	.207	.210	.209	.216	.140	.133	.112	.097	.120	.177	.252	.182
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	155	1826
10	MEAN	30.145	30.106	30.064	30.071	30.001	30.014	30.040	30.084	30.057	30.108	30.118	30.079
	S. D.	.216	.216	.216	.223	.145	.133	.113	.097	.122	.181	.252	.187
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	155	1826
13	MEAN	30.088	30.061	30.025	30.037	29.975	29.997	30.025	30.069	30.030	30.070	30.039	30.043
	S. D.	.216	.221	.221	.219	.146	.138	.115	.096	.123	.178	.246	.184
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	155	1826
16	MEAN	30.065	30.020	29.985	30.002	29.942	29.969	29.996	30.037	30.000	30.043	30.073	30.013
	S. D.	.214	.224	.222	.212	.144	.144	.114	.095	.125	.178	.241	.184
	TOTAL OBS	155	141	155	150	155	149	155	155	150	155	155	1825
19	MEAN	30.093	30.041	30.002	30.015	29.949	29.972	29.995	30.038	30.006	30.064	30.063	30.027
	S. D.	.213	.228	.213	.202	.142	.135	.112	.093	.123	.172	.239	.182
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	155	1826
22	MEAN	30.112	30.065	30.031	30.047	29.978	29.998	30.020	30.066	30.032	30.085	30.101	30.051
	S. D.	.206	.230	.202	.199	.136	.129	.112	.090	.121	.174	.242	.179
	TOTAL OBS	155	141	155	150	155	150	155	155	150	155	155	1826
ALL HOURS	MEAN	30.102	30.062	30.025	30.038	29.971	29.990	30.016	30.058	30.026	30.075	30.095	30.044
	S. D.	.210	.220	.211	.211	.142	.135	.113	.096	.122	.176	.247	.183
	TOTAL OBS	1240	1128	1240	1200	1239	1199	1240	1240	1200	1240	1200	14606

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTRY COMPANY, U. S. A.

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

73-77

NEW RIVER, NORTH CAROLINA

93727

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	1019.8 6.794 155	1018.7 7.265 141	1017.6 6.752 155	1017.8 6.788 150	1015.5 4.757 155	1016.1 4.450 150	1017.1 3.730 155	1018.4 3.150 155	1017.5 4.034 150	1019.0 5.748 155	1019.7 6.250 150	1018.9 8.350 155	1018.0 5.992 1826
04	1019.8 6.923 155	1018.4 7.010 141	1017.0 6.818 155	1017.4 7.164 150	1015.2 4.765 154	1015.7 4.438 150	1016.6 3.802 155	1018.0 3.226 155	1017.0 4.015 150	1018.6 5.824 155	1019.5 6.254 150	1018.7 8.505 155	1017.7 6.078 1825
07	1020.3 7.006 155	1019.2 7.112 141	1018.0 7.097 155	1018.6 7.316 150	1016.1 4.773 155	1016.5 4.484 150	1017.3 3.811 155	1018.8 3.276 155	1017.8 4.083 150	1019.4 5.979 155	1020.3 6.249 150	1019.3 8.530 155	1018.4 6.143 1826
10	1021.4 7.336 155	1020.0 7.303 141	1018.6 7.289 155	1018.9 7.568 150	1016.5 4.893 155	1016.9 4.512 150	1017.8 3.816 155	1019.3 3.275 155	1018.4 4.116 150	1020.1 6.093 155	1021.1 6.384 150	1020.5 8.557 155	1019.1 6.316 1826
13	1019.5 7.317 155	1018.5 7.467 141	1017.3 7.486 155	1017.7 7.438 150	1015.6 4.924 155	1016.4 4.717 150	1017.3 3.850 155	1018.8 3.264 155	1017.5 4.152 150	1018.8 6.099 155	1019.2 6.382 150	1018.5 8.393 155	1017.9 6.256 1826
16	1018.6 7.230 155	1017.1 7.584 141	1015.9 7.466 155	1016.5 7.195 150	1014.5 4.885 155	1015.5 4.918 150	1016.3 3.864 155	1017.7 3.217 155	1016.4 4.206 150	1017.9 6.036 155	1018.4 6.232 150	1017.8 8.132 155	1016.9 6.213 1826
19	1019.6 7.228 155	1017.9 7.732 141	1016.5 7.224 155	1017.0 6.850 150	1014.7 4.777 155	1015.5 4.549 150	1016.3 3.811 155	1017.7 3.121 155	1016.7 4.136 150	1018.6 5.836 155	1019.3 6.101 150	1018.6 8.113 155	1017.4 6.154 1826
22	1020.3 6.968 155	1018.7 7.639 141	1017.5 6.828 155	1018.0 6.806 150	1015.7 4.570 155	1016.4 4.382 150	1017.1 3.767 155	1018.7 3.026 155	1017.5 4.087 150	1019.5 5.865 155	1019.9 6.087 150	1019.1 8.215 155	1018.2 6.031 1826
ALL HOURS	1019.9 7.121 1240	1018.6 7.414 1128	1017.3 7.148 1240	1017.7 7.162 1200	1015.5 4.822 1239	1016.1 4.571 1200	1017.0 3.829 1240	1018.4 3.230 1240	1017.3 4.133 1200	1019.3 5.952 1240	1019.7 6.269 1200	1018.9 8.359 1240	1017.9 6.180 14607